

# Converting Colors

XYZ(86.2394, 96.1553, 76.9846)

Have a look what the booklet for  
XYZ(86.2394, 96.1553, 76.9846)  
contains.

<b>XYZ(86.1280, 96.0983, 76.9602)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.1280, 96.0983,  
76.9602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFD5
RGB	247, 255, 213
RGB Percent	97%, 100%, 84%
CMY	0.0314, 0.0000, 0.1647
CMYK	0.03, 0.00, 0.16, 0.00
HSL	71°, 100%, 92%
HSV	71°, 16%, 100%
XYZ	86.1280, 96.0983, 76.9602
YIQ	247.8200, 8.7140, -14.7580

# Conversions

## Conversions Part 2

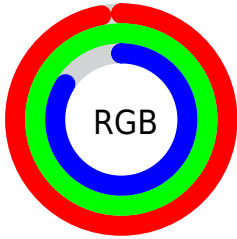
Format	Color
<a href="#">RYB</a>	<a href="#">213, 255, 221</a>
Decimal	<a href="#">16252885</a>
CIELab	<a href="#">98.47, -9.57, 19.21</a>
CIELCh	<a href="#">98, 21.459, 116.475</a>
Yxy	<a href="#">96.0983, 0.3323, 0.3708</a>
Android (android.graphics.Color)	<a href="#">4294442965</a> ( <a href="#">0xFFFF7FFD5</a> )
YUV	<a href="#">247.8200, -17.1663, -0.7191</a>
Hunter-Lab	<a href="#">98.0297, -14.7236, 22.0740</a>

# Details

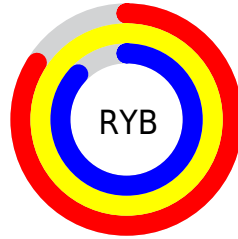
The XYZ color **86.1280, 96.0983, 76.9602** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.6640, 70.1819, 104.3771**, and the grayscale version is **89.2061, 93.8518, 102.2046**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6008, 53.8039, 40.2241** is the 20% darker color. If you saturate the color by 10%, you get **81.4508, 94.0321, 61.1531**, and if you desaturate by 10%, it is **91.3599, 98.3915, 95.4525**.

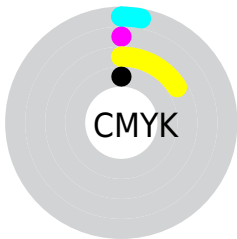
# Distribution



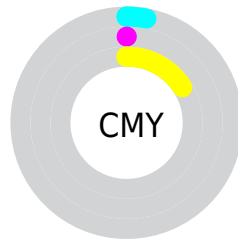
- Red (97%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.1280, 96.0983, 76.9602 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 86.1280, 96.0983, 76.9602 by changing the saturation by 10% instead.




 86.1280, 96.0983,  
76.9602

 86.1280, 96.0983,  
76.9602


503.7808,  
547.6751, 504.0624

 65.0994, 73.0494,  
56.7088


140.8540,  
155.7811, 130.8558

 47.8067, 54.0164,  
40.3637


175.2822,  
193.1838, 165.3371

 33.8845, 38.6148,  
27.5063


214.9076,  
236.1399, 205.3988

 22.9673, 26.4602,  
17.7180

260.0956,  
285.0338, 251.4595

 14.6899, 17.1682,  
10.5804

311.2116,  
340.2498, 303.9376

 8.6870, 10.3545,  
5.6748

368.6209,

 4.5930, 5.6346,

402.1725, 363.2518

2.5828

432.6888,  
471.1861, 429.8205

■ 2.0428, 2.6242,  
0.8836

■ 0.6578, 0.9389,  
0.0000

■ 86.1280, 96.0983,  
76.9602

■ 86.1280, 96.0983,  
76.9602

■ 81.4508, 94.0321,  
61.1531

■ 91.3599, 98.3915,  
95.4525

■ 77.3027, 92.1827,  
47.9021

95.0500, 100.0000,  
108.9000

■ 73.6582, 90.5397,  
37.0738

■ 70.4890, 89.0920,  
28.5208

■ 67.7637, 87.8268,  
22.0800

■ 65.4470, 86.7300,  
17.5664

■ 63.4973, 85.7849,  
14.7631

■ 61.8626, 84.9707,  
13.3990

■ 61.3334, 84.7035,  
13.1168

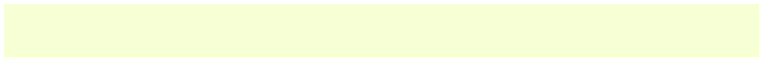
# Harmonies

## Analogous

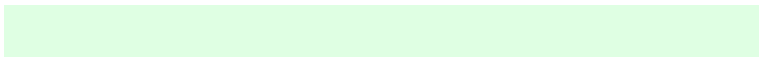
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0733, 96.0983, 74.1317



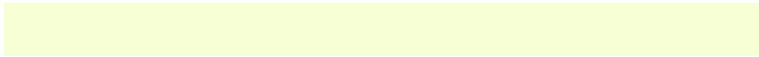
86.1280, 96.0983, 76.9602



81.7594, 96.0983, 86.8935

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1280, 96.0983, 76.9602



84.9133, 96.0983, 135.7447



103.7573, 96.0983, 106.7473

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86.1280, 96.0983, 76.9602



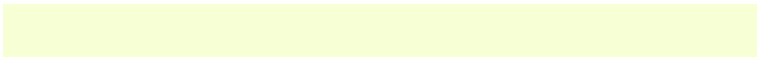
71.6640, 70.1819, 104.3771

# Split Complementary

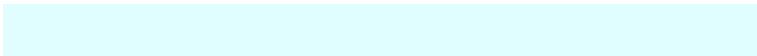
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6381, 96.0983, 124.6399



86.1280, 96.0983, 76.9602



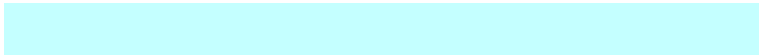
90.6078, 96.0983, 142.5318

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



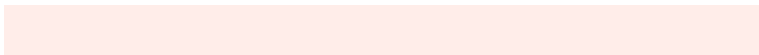
86.1280, 96.0983, 76.9602



81.0807, 96.0983, 120.5999



96.7551, 96.0983, 138.2562

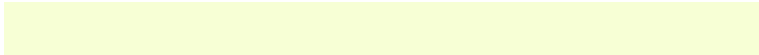


102.4270, 96.0983, 90.1446

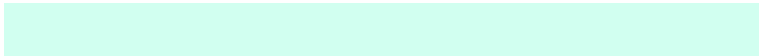


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1280, 96.0983, 76.9602



80.2346, 96.0983, 96.8537



96.7551, 96.0983, 138.2562



103.4224, 96.0983, 112.8216

# Sweetspot

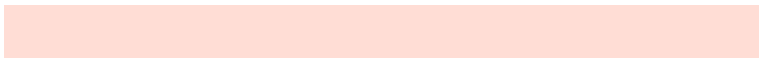
The Sweet Spot groups the original color and five complimentary colors.



86.1285, 96.0985, 76.9616



92.1768, 98.7482, 98.4035



79.0283, 77.6197, 73.7691



19.6457, 21.0995, 20.7588



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

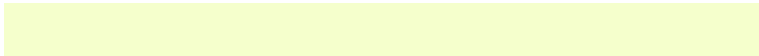


# Same Dimension

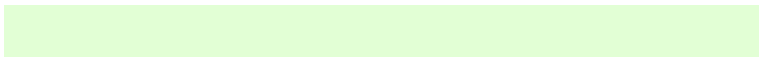
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1285, 96.0985, 76.9616



84.4152, 95.3436, 71.0807



79.2292, 92.5417, 76.6387



19.2021, 20.9056, 19.1675



32.1690, 44.3218, 6.8595



3.2154, 4.3584, 0.6718



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.6640, 70.1819, 104.3771



67.2910, 64.6589, 103.5415



78.3601, 73.6339, 104.6905



17.3258, 17.5442, 22.7231



10.1741, 4.1554, 49.7004

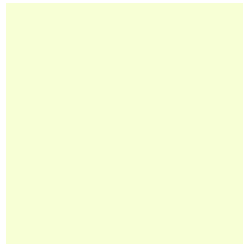


1.0719, 0.4465, 4.8430



# Previews

## White Background



This preview shows how the XYZ color 86.1280, 96.0983, 76.9602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

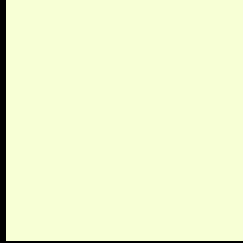
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.1280, 96.0983, 76.9602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

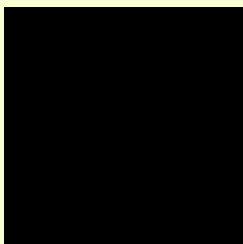
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

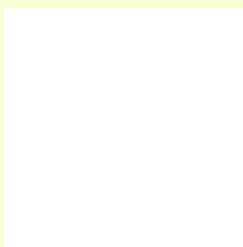
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 86.1280, 96.0983, 76.9602**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.1280, 96.0983, 76.9602.



This preview shows how white text looks on a background with the XYZ color 86.1280, 96.0983,

76.9602.

# Color Blindness Simulation

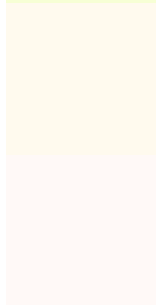
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



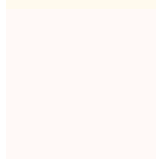
### Original Color

86.1280, 96.0983, 76.9602



### Protanopia

90.8582, 95.8043, 94.5922



### Deuteranopia

91.9042, 95.7268, 101.6289

## **Tritanopia**

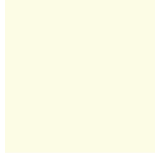
92.3805, 96.2867, 108.3240

# Trichromacy



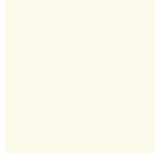
## Original Color

86.1280, 96.0983, 76.9602



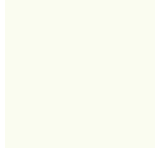
## Protanomaly

89.0981, 95.9734, 87.9575



## Deuteranomaly

89.6375, 95.6880, 92.3425



## Tritanomaly

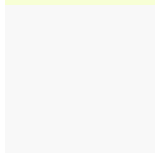
89.9629, 96.2361, 96.2719

# Monochromacy



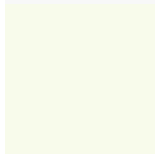
## Original Color

86.1280, 96.0983, 76.9602



## Achromatopsia

89.2221, 93.8686, 102.2229



## Achromatomaly

88.2040, 94.9490, 92.2754

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.1280, 96.0983, 76.9602 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(247, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(247, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 86.1280, 96.0983, 76.9602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 255, 213) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(247, 255, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(247, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.1280, 96.0983, 76.9602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(247,  
255, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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