

# Converting Colors

XYZ(86.3682, 96.2512, 75.6550)

Have a look what the booklet for  
XYZ(86.3682, 96.2512, 75.6550)  
contains.

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# Color

**XYZ(86.2293, 96.1796,  
75.6478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFD3
RGB	248, 255, 211
RGB Percent	97%, 100%, 83%
CMY	0.0274, 0.0000, 0.1725
CMYK	0.03, 0.00, 0.17, 0.00
HSL	70°, 100%, 91%
HSV	70°, 17%, 100%
XYZ	86.2293, 96.1796, 75.6478
YIQ	247.8910, 9.9520, -15.1680

# Conversions

## Conversions Part 2

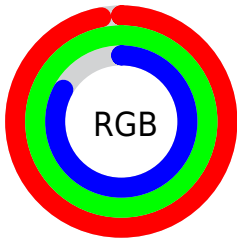
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 255, 218
Decimal	16318419
CIE <sub>Lab</sub>	98.50, -9.52, 20.28
CIE <sub>LCh</sub>	99, 22.405, 115.135
Yxy	96.1796, 0.3341, 0.3727
Android (android.graphics.Color)	4294508499 (0xFFFF8FFD3)
YUV	247.8910, -18.1873, 0.0956
Hunter-Lab	98.0712, -14.6781, 22.9161

# Details

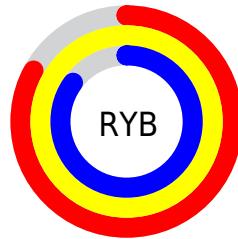
The XYZ color **86.2293, 96.1796, 75.6478** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.2586, 68.7152, 104.1681**, and the grayscale version is **89.2715, 93.9206, 102.2796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6807, 53.8648, 39.3364** is the 20% darker color. If you saturate the color by 10%, you get **81.8590, 94.2672, 60.0583**, and if you desaturate by 10%, it is **91.1391, 98.3115, 93.9124**.

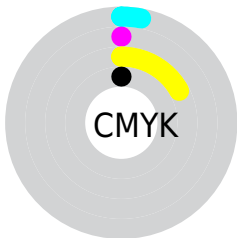
# Distribution



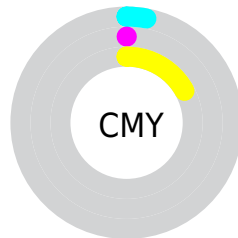
- Red (97%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2293, 96.1796, 75.6478 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 86.2293, 96.1796, 75.6478 by changing the saturation by 10% instead.




 86.2293, 96.1796,  
75.6478

 86.2293, 96.1796,  
75.6478

504.1096,  
547.9345, 499.4559

 65.1835, 73.1171,  
55.6388

140.9946,  
155.8933, 128.9845

 47.8751, 54.0718,  
39.5114


175.4448,  
193.3133, 163.1492

 33.9389, 38.6590,  
26.8469


215.0939,  
236.2879, 202.8696

 23.0093, 26.4946,  
17.2268

260.3072,  
285.2016, 248.5643

 14.7211, 17.1940,  
10.2327

311.4501,  
340.4387, 300.6517

 8.7089, 10.3729,  
5.4459

368.8879,

 4.6074, 5.6469,

402.3836, 359.5504

2.4479

432.9859,  
471.4207, 425.6790

■ 2.0512, 2.6316,  
0.8124

■ 0.6625, 0.9426,  
0.0000

■ 86.2293, 96.1796,  
75.6478

■ 86.2293, 96.1796,  
75.6478

■ 81.8590, 94.2672,  
60.0583

■ 91.1391, 98.3115,  
93.9124

■ 78.0025, 92.5638,  
47.0141

95.0500, 100.0000,  
108.9000

■ 74.6344, 91.0593,  
36.3809

■ 71.7262, 89.7424,  
28.0102

■ 69.2465, 88.6003,  
21.7375

■ 67.1596, 87.6189,  
17.3757

■ 65.4236, 86.7812,  
14.7048

■ 63.9843, 86.0657,  
13.4411

■ 63.6188, 85.8817,  
13.2238

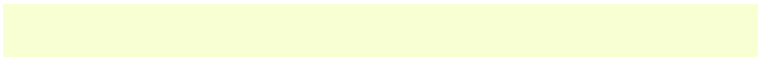
# Harmonies

## Analogous

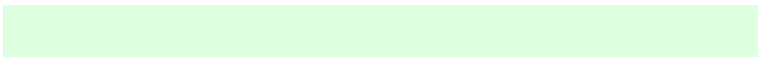
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4758, 96.1796, 73.0633



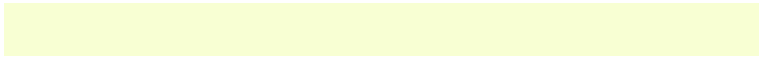
86.2293, 96.1796, 75.6478



81.5769, 96.1796, 85.6352

# Triad

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



86.2293, 96.1796, 75.6478



84.4822, 96.1796, 136.7859



104.3899, 96.1796, 107.7765

# Complementary

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



86.2293, 96.1796, 75.6478



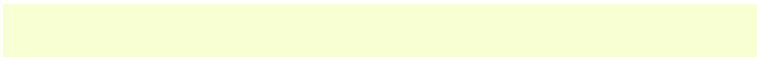
70.2586, 68.7152, 104.1681

# 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.



102.0157, 96.1796, 126.4558



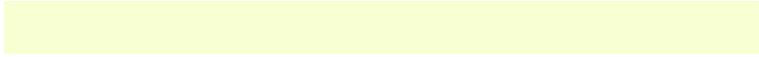
86.2293, 96.1796, 75.6478



90.3640, 96.1796, 144.4175

# Square

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



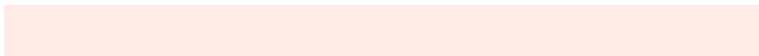
86.2293, 96.1796, 75.6478



80.6021, 96.1796, 120.6089



96.8063, 96.1796, 140.4313

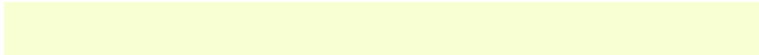


103.1560, 96.1796, 90.2976

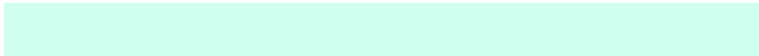


# Rectangle

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



86.2293, 96.1796, 75.6478



79.9033, 96.1796, 95.8399



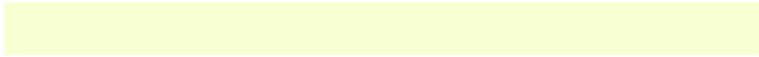
96.8063, 96.1796, 140.4313



103.9842, 96.1796, 114.1392

# Sweetspot

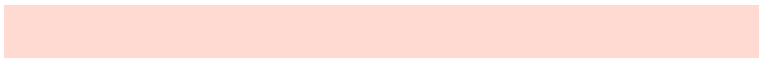
The Sweet Spot groups the original color and five complimentary colors.



86.2299, 96.1799, 75.6492



92.3223, 98.8232, 98.4103



77.9664, 75.8998, 72.1703



19.6812, 21.1178, 20.7604



0.0000, 0.0000, 0.0000

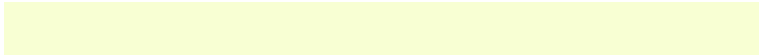


20.3446, 21.4041, 23.3091

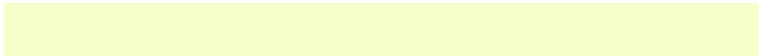


# Same Dimension

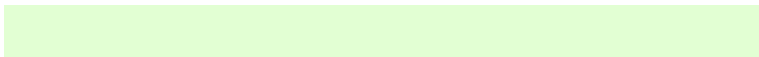
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2299, 96.1799, 75.6492



84.5308, 95.4383, 69.5025



79.0082, 92.4570, 75.3112



19.2607, 20.9358, 19.1702



33.3484, 44.9298, 6.9147



3.3197, 4.4121, 0.6767



# Inverse Universe

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



70.2586, 68.7152, 104.1681



65.6111, 62.9004, 103.2907



77.1446, 72.2651, 104.4903



17.2721, 17.5165, 22.7206



9.9794, 4.0550, 49.6913

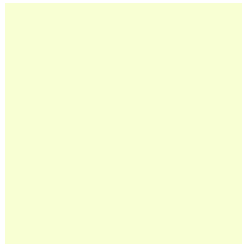


1.0453, 0.4328, 4.8417



# Previews

## White Background



This preview shows how the XYZ color 86.2293, 96.1796, 75.6478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

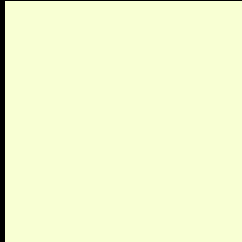
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.2293, 96.1796, 75.6478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

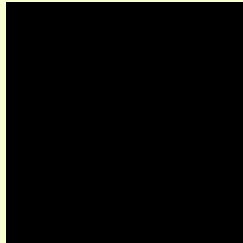
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.2293, 96.1796, 75.6478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.2293, 96.1796, 75.6478.



This preview shows how white text looks on a background with the XYZ color 86.2293, 96.1796,

75.6478.

# Color Blindness Simulation

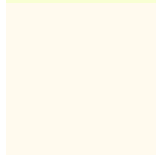
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



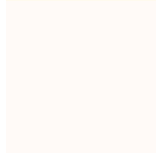
### Original Color

86.2293, 96.1796, 75.6478



### Protanopia

90.8582, 95.8043, 94.5922



### Deuteranopia

92.2141, 96.3466, 101.7322

## **Tritanopia**

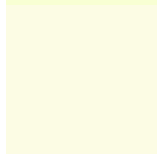
92.3805, 96.2867, 108.3240

# Trichromacy



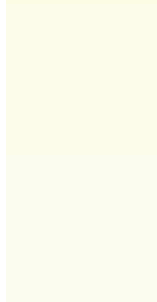
## Original Color

86.2293, 96.1796, 75.6478



## Protanomaly

88.9589, 95.9177, 87.2241



## Deuteranomaly

89.8066, 96.2568, 91.6880

## Tritanomaly

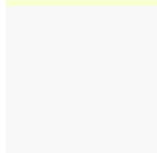
90.1741, 96.3620, 95.5084

# Monochromacy



## Original Color

86.2293, 96.1796, 75.6478



## 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 86.2293, 96.1796, 75.6478 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(248, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 211)  
}
```

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(248, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 86.2293, 96.1796, 75.6478 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(248, 255, 211) }
```



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

```
.border{ border-color:rgb(248, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.2293, 96.1796, 75.6478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 211) }
```

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

```
.background{ background-color: rgb(248,  
255, 211) }
```

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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