

Converting Colors

XYZ(88.4745, 100.0000,
77.0309)

Have a look what the booklet for
XYZ(88.4745, 100.0000, 77.0309)
contains.

XYZ(86.7106, 96.4132, 76.3268)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.7106, 96.4132,
76.3268)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFD4
RGB	249, 255, 212
RGB Percent	98%, 100%, 83%
CMY	0.0235, 0.0000, 0.1686
CMYK	0.02, 0.00, 0.17, 0.00
HSL	68°, 100%, 92%
HSV	68°, 17%, 100%
XYZ	86.7106, 96.4132, 76.3268
YIQ	248.3040, 10.2270, -14.6450

Conversions

Conversions Part 2

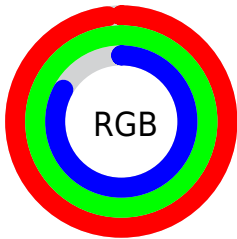
Format	Color
R_{YB}	212, 255, 218
Decimal	16383956
CIE _{Lab}	98.60, -9.02, 19.91
CIE _{LCh}	99, 21.861, 114.359
Yxy	96.4132, 0.3342, 0.3716
Android (android.graphics.Color)	4294574036 (0xFFF9FFD4)
YUV	248.3040, -17.8979, 0.6104
Hunter-Lab	98.1902, -14.2017, 22.6449

Details

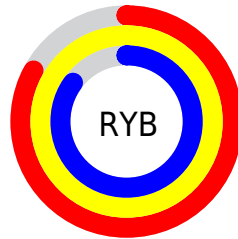
The XYZ color **86.7106, 96.4132, 76.3268** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.5078, 69.2136, 104.2511**, and the grayscale version is **89.6071, 94.2736, 102.6640**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0181, 54.0290, 39.7961** is the 20% darker color. If you saturate the color by 10%, you get **82.4874, 94.5788, 60.6427**, and if you desaturate by 10%, it is **91.4671, 98.4637, 94.6905**.

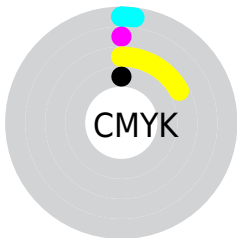
Distribution



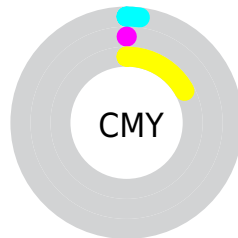
- Red (98%)
- Green (100%)
- Blue (83%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7106, 96.4132, 76.3268 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 86.7106, 96.4132, 76.3268 by changing the saturation by 10% instead.


 86.7106, 96.4132,
76.3268

 86.7106, 96.4132,
76.3268


505.6703,
548.6794, 501.8422

 65.5830, 73.3117,
56.1923

141.6624,
156.2156, 129.9531

 48.2004, 54.2309,
39.9521


176.2173,
193.6852, 164.2819

 34.1975, 38.7863,
27.1877


215.9787,
236.7131, 204.1792

 23.2090, 26.5935,
17.4805

261.3120,
285.6836, 250.0636

 14.8694, 17.2682,
10.4121

312.5824,
340.9811, 302.3535

 8.8135, 10.4259,
5.5639

370.1553,

 4.6759, 5.6822,

402.9899, 361.4676

2.5173

434.3962,
472.0946, 427.8243

■ 2.0912, 2.6528,
0.8493

■ 0.6844, 0.9533,
0.0000

■ 86.7106, 96.4132,
76.3268

■ 86.7106, 96.4132,
76.3268

■ 82.4874, 94.5788,
60.6427

■ 91.4671, 98.4637,
94.6905

■ 78.7718, 92.9503,
47.5086

95.0500, 100.0000,
108.9000

■ 75.5386, 91.5174,
36.7907

■ 72.7596, 90.2689,
28.3412

■ 70.4035, 89.1922,
21.9961

■ 68.4348, 88.2733,
17.5695

■ 66.8120, 87.4954,
14.8429

■ 65.4824, 86.8374,
13.5398

■ 65.1007, 86.6457,
13.2931

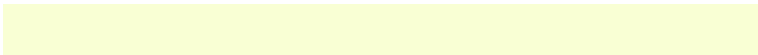
Harmonies

Analogous

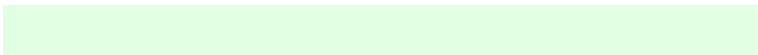
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8389, 96.4132, 73.9795



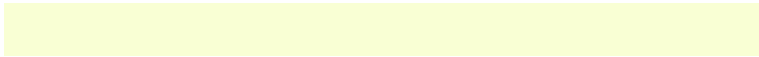
86.7106, 96.4132, 76.3268



82.1014, 96.4132, 85.9545

Triad

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



86.7106, 96.4132, 76.3268



84.7296, 96.4132, 135.9181



104.2868, 96.4132, 108.4398

Complementary

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



86.7106, 96.4132, 76.3268



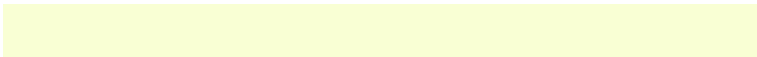
70.5078, 69.2136, 104.2511

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.



101.8855, 96.4132, 126.6187



86.7106, 96.4132, 76.3268



90.4472, 96.4132, 143.6118

Square

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



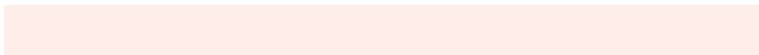
86.7106, 96.4132, 76.3268



80.9951, 96.4132, 120.0155



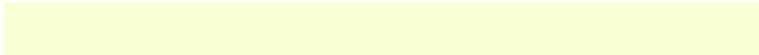
96.7483, 96.4132, 140.0272



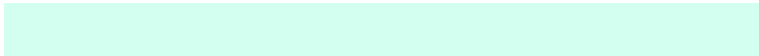
103.1744, 96.4132, 91.2514

Rectangle

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



86.7106, 96.4132, 76.3268



80.4138, 96.4132, 95.8608



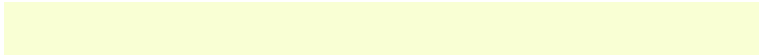
96.7483, 96.4132, 140.0272



103.8605, 96.4132, 114.6548

Sweetspot

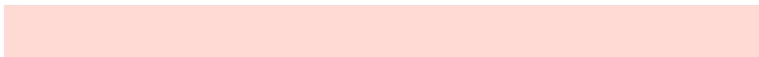
The Sweet Spot groups the original color and five complimentary colors.



86.7112, 96.4135, 76.3282



92.4132, 98.8700, 98.4145



78.1267, 76.0191, 72.8441



19.7033, 21.1292, 20.7615



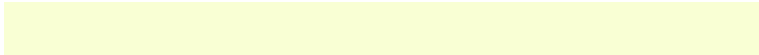
0.0000, 0.0000, 0.0000



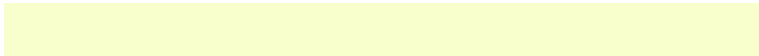
20.3446, 21.4041, 23.3091

Same Dimension

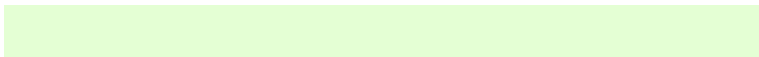
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7112, 96.4135, 76.3282



85.3295, 95.8150, 71.1235



79.5653, 92.7296, 75.9938



19.2974, 20.9547, 19.1719



34.1125, 45.3237, 6.9504



3.3870, 4.4468, 0.6798

Inverse Universe

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



70.5078, 69.2136, 104.2511



66.5399, 64.2717, 103.5064



77.2697, 72.6995, 104.5676



17.2387, 17.4993, 22.7191



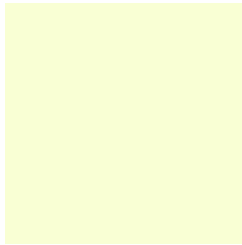
9.8752, 4.0013, 49.6864



1.0296, 0.4247, 4.8410

Previews

White Background



This preview shows how the XYZ color 86.7106, 96.4132, 76.3268 looks on a white background.

Color Contrast Check

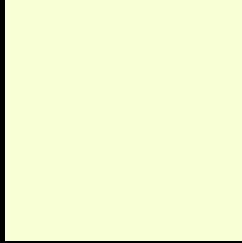
Large Text (above 18pt) WCAG AA × Fail

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 86.7106, 96.4132, 76.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

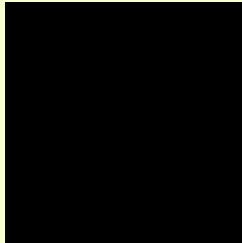
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7106, 96.4132, 76.3268

Background



This preview shows how black text looks on a background with the XYZ color 86.7106, 96.4132, 76.3268.



This preview shows how white text looks on a background with the XYZ color 86.7106, 96.4132,

76.3268.

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

86.7106, 96.4132, 76.3268



Protanopia

91.4654, 96.5456, 96.2525

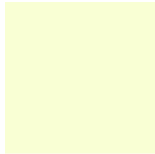
Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

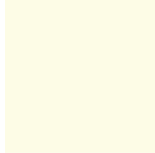
92.3805, 96.2867, 108.3240

Trichromacy



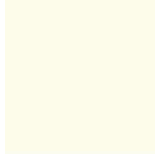
Original Color

86.7106, 96.4132, 76.3268



Protanomaly

89.6013, 96.2166, 88.7121



Deuteranomaly

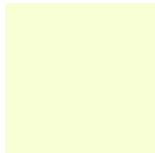
90.1697, 96.4440, 91.7050



Tritanomaly

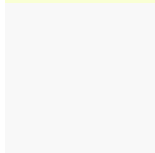
90.1741, 96.3620, 95.5084

Monochromacy



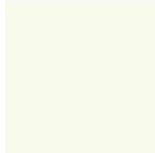
Original Color

86.7106, 96.4132, 76.3268



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 86.7106, 96.4132, 76.3268 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(249, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 212)  
}
```

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(249, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 86.7106, 96.4132, 76.3268 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(249, 255, 212) }
```


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

```
.border{ border-color:rgb(249, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(249, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7106, 96.4132, 76.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 212) }
```

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

```
.background{ background-color: rgb(249,  
255, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor