

Converting Colors

XYZ(102.2952, 100.0000,
78.8872)

Have a look what the booklet for
XYZ(102.2952, 100.0000, 78.8872)
contains.

XYZ(86.5904, 92.1294, 78.1847)	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(86.5904, 92.1294,
78.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6D8
RGB	255, 246, 216
RGB Percent	100%, 96%, 85%
CMY	0.0000, 0.0353, 0.1529
CMYK	0.00, 0.04, 0.15, 0.00
HSL	46°, 100%, 92%
HSV	46°, 15%, 100%
XYZ	86.5904, 92.1294, 78.1847
YIQ	245.2710, 14.9940, -7.4220

Conversions

Conversions Part 2

Format	Color
R _Y B	228, 255, 216
Decimal	16774872
CIE Lab	96.87, -1.81, 15.51
CIE LCh	97, 15.619, 96.669
Yxy	92.1294, 0.3371, 0.3586
Android (android.graphics.Color)	4294964952 (0xFFFFF6D8)
YUV	245.2710, -14.4306, 8.5323
Hunter-Lab	95.9841, -6.9413, 18.8936

Details

The XYZ color **86.5904, 92.1294, 78.1847** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.2935, 75.6673, 105.3500**, and the grayscale version is **87.1152, 91.6520, 99.8090**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1352, 51.4059, 41.1035** is the 20% darker color. If you saturate the color by 10%, you get **81.7863, 87.3938, 61.5614**, and if you desaturate by 10%, it is **91.9672, 97.1908, 97.5252**.

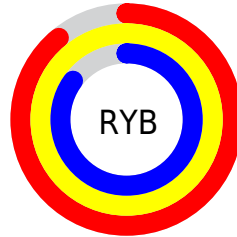
Distribution



Red (100%)

Green (96%)

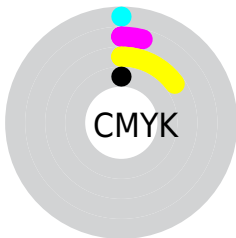
Blue (85%)



Red (89%)

Yellow (100%)

Blue (85%)

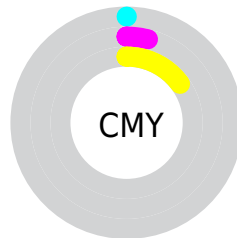


Cyan (0%)

Magenta (4%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.5904, 92.1294, 78.1847 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 86.5904, 92.1294, 78.1847 by changing the saturation by 10% instead.


 86.5904, 92.1294,
78.1847

 86.5904, 92.1294,
78.1847


505.2807,
534.9336, 508.3384

 65.4832, 69.7481,
57.7084


141.4957,
150.2927, 132.5987

 48.1191, 51.3212,
41.1611


176.0245,
186.8435, 167.3734

 34.1329, 36.4643,
28.1243


215.7578,
228.8863, 207.7514

 23.1591, 24.7930,
18.1795

261.0611,
276.8055, 254.1511

 14.8324, 15.9229,
10.9082

312.2997,
330.9854, 306.9911

 8.7874, 9.4696,
5.8917

369.8389,

 4.6587, 5.0487,

391.8105, 366.6900

2.7116

434.0442,
459.6651, 433.6662

■ 2.0811, 2.2759,
0.9493

■ 0.6789, 0.7609,
0.0000

■ 86.5904, 92.1294,
78.1847

■ 86.5904, 92.1294,
78.1847

■ 81.7863, 87.3938,
61.5614

■ 91.9672, 97.1908,
97.5252

■ 77.5243, 82.9618,
47.5255

95.0500, 100.0000,
108.9000

■ 73.7806, 78.8261,
35.9451

■ 70.5272, 74.9746,
26.6745

■ 67.7328, 71.3939,
19.5524

■ 65.3624, 68.0692,
14.3966

■ 63.3751, 64.9833,
10.9947

■ 61.7206, 62.1150,
9.0843

■ 61.0233, 60.8266,
8.5244

Harmonies

Analogous

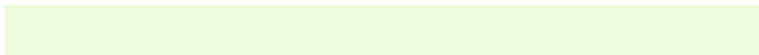
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9490, 92.1294, 79.7290



86.5904, 92.1294, 78.1847



82.6256, 92.1294, 82.1602

Triad

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



86.5904, 92.1294, 78.1847



80.9743, 92.1294, 115.4401



95.5409, 92.1294, 110.1863

Complementary

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



86.5904, 92.1294, 78.1847



73.2935, 75.6673, 105.3500

Split Complementary

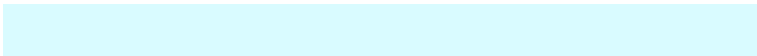
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7000, 92.1294, 120.9607



86.5904, 92.1294, 78.1847



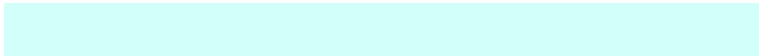
84.2684, 92.1294, 124.1666

Square

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



86.5904, 92.1294, 78.1847



79.4538, 92.1294, 103.1446



88.5494, 92.1294, 126.2667



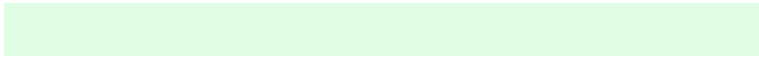
96.2129, 92.1294, 97.5342

Rectangle

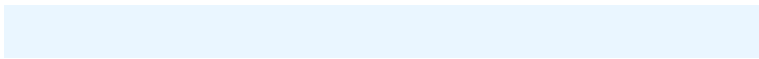
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5904, 92.1294, 78.1847



80.7071, 92.1294, 87.6182



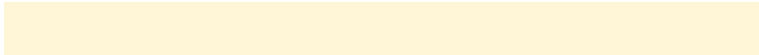
88.5494, 92.1294, 126.2667



94.8034, 92.1294, 114.1789

Sweetspot

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



86.5926, 92.1333, 78.1867



92.1337, 97.3441, 98.1347



79.4008, 75.8145, 81.7556



19.6352, 20.7572, 20.6933



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.



86.5926, 92.1333, 78.1867



85.2366, 90.8196, 73.4240



85.6719, 95.8187, 78.9465



19.1852, 20.3385, 19.0589



32.0049, 32.0211, 4.4938



3.1985, 3.2823, 0.4650

Inverse Universe

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



73.2935, 75.6673, 105.3500



69.8835, 71.8113, 104.7855



74.0964, 72.5664, 104.7092



17.3429, 18.0574, 22.8213



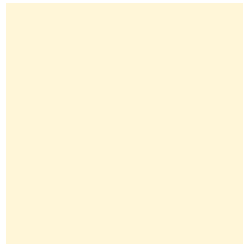
10.3361, 5.5819, 49.9672



1.0850, 0.7006, 4.8913

Previews

White Background



This preview shows how the XYZ color 86.5904, 92.1294, 78.1847 looks on a white background.

Color Contrast Check

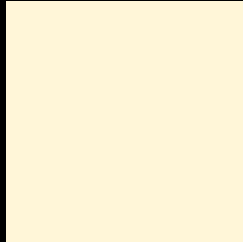
Large Text (above 18pt) WCAG AA × Fail

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 86.5904, 92.1294, 78.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

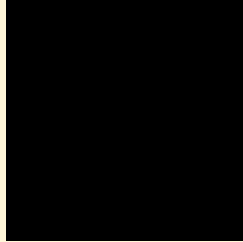
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.5904, 92.1294, 78.1847

Background



This preview shows how black text looks on a background with the XYZ color 86.5904, 92.1294, 78.1847.



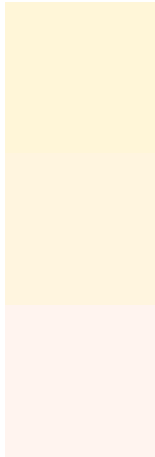
This preview shows how white text looks on a background with the XYZ color 86.5904, 92.1294,

78.1847.

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

86.5904, 92.1294, 78.1847

Protanopia

87.2117, 91.8925, 82.9525

Deuteranopia

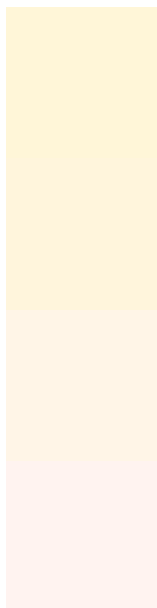
89.1707, 92.1934, 94.7567



Tritanopia

90.8815, 91.9200, 106.7183

Trichromacy



Original Color

86.5904, 92.1294, 78.1847

Protanomaly

86.8107, 91.7321, 80.8408

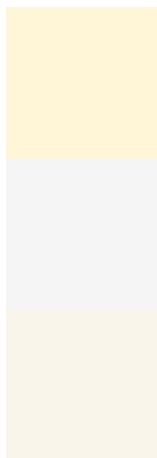
Deuteranomaly

88.3162, 92.3343, 88.7689

Tritanomaly

89.0188, 91.6525, 95.4370

Monochromacy



Original Color

86.5904, 92.1294, 78.1847

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.5706, 91.3851, 90.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.5904, 92.1294, 78.1847 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(255, 246, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 216)  
}
```

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(255, 246, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 216) }
```

Border

The CSS property to change the border of an element to XYZ 86.5904, 92.1294, 78.1847 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(255, 246, 216) }
```


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

```
.border{ border-color:rgb(255, 246, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5904, 92.1294, 78.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 216) }
```

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

```
.background{ background-color: rgb(255,  
246, 216) }
```

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