

Converting Colors

XYZ(87.1644, 92.4649, 91.0962)

Have a look what the booklet for
XYZ(87.1644, 92.4649, 91.0962)
contains.

XYZ(87.1790, 92.6018, 91.1210)	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(87.1790, 92.6018,
91.1210)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F7EA
RGB	249, 247, 234
RGB Percent	98%, 97%, 92%
CMY	0.0235, 0.0313, 0.0823
CMYK	0.00, 0.01, 0.06, 0.02
HSL	52°, 56%, 95%
HSV	52°, 6%, 98%
XYZ	87.1790, 92.6018, 91.1210
YIQ	246.1160, 5.3650, -3.6190

Conversions

Conversions Part 2

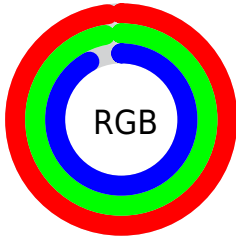
Format	Color
R _Y B	236, 249, 234
Decimal	16381930
CIE Lab	97.07, -1.55, 6.47
CIE LCh	97, 6.651, 103.463
Yxy	92.6018, 0.3218, 0.3418
Android (android.graphics.Color)	4294572010 (0xFFFF9F7EA)
YUV	246.1160, -5.9732, 2.5293
Hunter-Lab	96.2298, -6.6909, 11.2186

Details

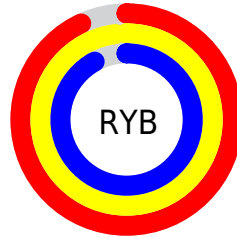
The XYZ color **87.1790, 92.6018, 91.1210** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.0260, 84.3216, 101.6288**, and the grayscale version is **87.7372, 92.3064, 100.5217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6590, 51.8134, 49.5559** is the 20% darker color. If you saturate the color by 10%, you get **82.8472, 89.2656, 73.2511**, and if you desaturate by 10%, it is **91.4021, 95.9293, 108.3065**.

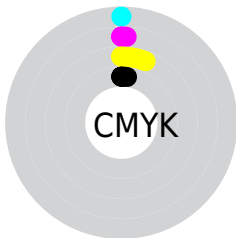
Distribution



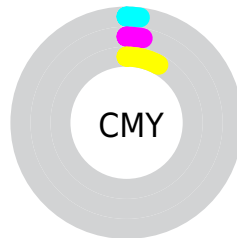
- Red (98%)
- Green (97%)
- Blue (92%)



- Red (93%)
- Yellow (98%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (2%)



- Cyan (2%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1790, 92.6018, 91.1210 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 87.1790, 92.6018, 91.1210 by changing the saturation by 10% instead.

87.1790, 92.6018,
91.1210

87.1790, 92.6018,
91.1210

507.1866,
536.4586, 552.3346

65.9719, 70.1406,
68.3318

142.3120,
150.9472, 150.8436

48.5172, 51.6412,
49.6994

176.9686,
187.6002, 188.6142

34.4496, 36.7191,
34.8051

216.8390,
229.7525, 232.2156

23.4037, 24.9901,
23.2304

262.2887,
277.7886, 282.0664

15.0142, 16.0697,
14.5568

313.6829,
332.0929, 338.5852

8.9158, 9.5735,
8.3658

371.3871,

4.7429, 5.1171,

393.0497, 402.1905

4.2388

435.7665,
461.0434, 473.3008

■ 2.1304, 2.3161,
1.7572

■ 0.7057, 0.7822,
0.3995

■ 87.1790, 92.6018,
91.1210

■ 87.1790, 92.6018,
91.1210

■ 82.8472, 89.2656,
73.2511

■ 91.4021, 95.9293,
108.3065

■ 79.0127, 86.1540,
57.9232

■ 92.4422, 98.0095,
108.6532

■ 75.6557, 83.2619,
45.0218

■ 92.8774, 98.8800,
108.7983

■ 72.7521, 80.5795,
34.4202

■ 70.2754, 78.0961,
25.9800

■ 68.1964, 75.7998,
19.5479

■ 66.4822, 73.6773,
14.9508

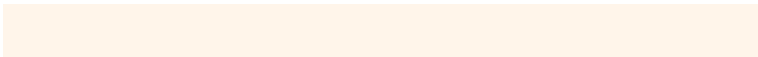
■ 65.0943, 71.7131,
11.9858

■ 63.9847, 69.8877,
10.4016

Harmonies

Analogous

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



89.0448, 92.6018, 91.2550



87.1790, 92.6018, 91.1210



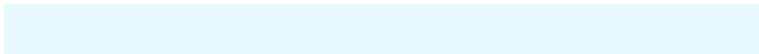
85.5598, 92.6018, 93.5215

Triad

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



87.1790, 92.6018, 91.1210



85.4257, 92.6018, 108.0941



91.5148, 92.6018, 103.7935

Complementary

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



87.1790, 92.6018, 91.1210



81.0260, 84.3216, 101.6288

Split Complementary

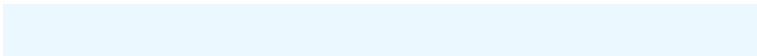
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5172, 92.6018, 108.5047



87.1790, 92.6018, 91.1210



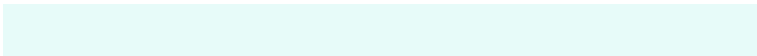
86.9936, 92.6018, 111.0473

Square

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



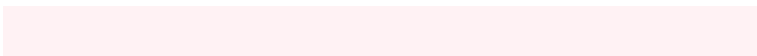
87.1790, 92.6018, 91.1210



84.5573, 92.6018, 103.2493



88.8568, 92.6018, 111.2002



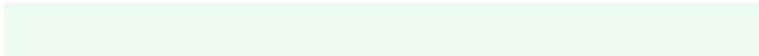
91.5662, 92.6018, 98.4441

Rectangle

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



87.1790, 92.6018, 91.1210



84.8308, 92.6018, 96.2870



88.8568, 92.6018, 111.2002



91.2784, 92.6018, 105.5088

Sweetspot

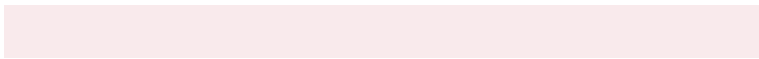
The Sweet Spot groups the original color and five complimentary colors.



87.1816, 92.6058, 91.1230



94.0236, 99.2438, 104.5607



83.6313, 85.0429, 91.3653



20.1357, 21.2502, 22.4257



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.



87.1816, 92.6058, 91.1230



91.5551, 97.3975, 94.2098



85.8631, 92.8369, 91.2371



18.7022, 19.9133, 19.0637



34.1155, 37.1877, 5.3799



3.2126, 3.5500, 0.5159

Inverse Universe

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



81.0260, 84.3216, 101.6288



84.0455, 87.2909, 107.0269



82.2886, 84.1245, 101.5242



17.0408, 17.6774, 21.8992



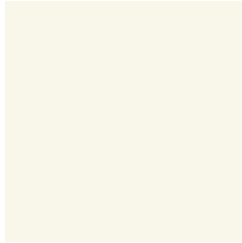
9.5026, 4.3607, 48.3144



0.9361, 0.5158, 4.4934

Previews

White Background



This preview shows how the XYZ color 87.1790, 92.6018, 91.1210 looks on a white background.

Color Contrast Check

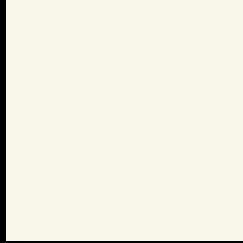
Large Text (above 18pt) WCAG AA × Fail

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 87.1790, 92.6018, 91.1210 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 87.1790, 92.6018, 91.1210

Background



This preview shows how black text looks on a background with the XYZ color 87.1790, 92.6018, 91.1210.

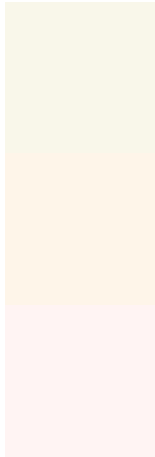


This preview shows how white text looks on a background with the XYZ color 87.1790, 92.6018,

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

87.1790, 92.6018, 91.1210

Protanopia

88.2334, 92.2588, 90.2481

Deuteranopia

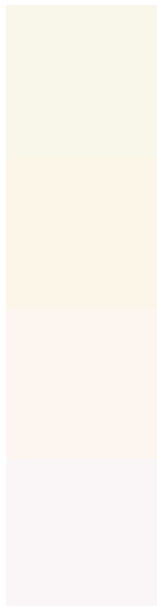
89.7683, 92.4324, 97.9040



Tritanopia

90.1267, 92.8488, 107.7792

Trichromacy



Original Color

87.1790, 92.6018, 91.1210

Protanomaly

87.8086, 92.4902, 90.3152

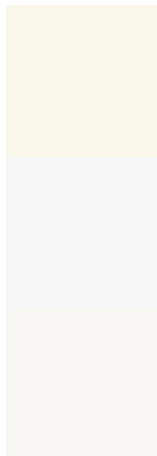
Deuteranomaly

88.8886, 92.4787, 95.6033

Tritanomaly

89.1686, 92.9509, 101.2373

Monochromacy



Original Color

87.1790, 92.6018, 91.1210

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3406, 92.0965, 97.1775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1790, 92.6018, 91.1210 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, 247, 234) looks like.

```
.text, #text, p{  
    color:rgb(249, 247, 234)  
}
```

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, 247, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 247, 234) }
```

Border

The CSS property to change the border of an element to XYZ 87.1790, 92.6018, 91.1210 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, 247, 234) }
```


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

```
.border{ border-color:rgb(249, 247, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 247, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 247, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 247, 234);  
box-shadow:4px 4px 4px 4px rgb(249, 247,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1790, 92.6018, 91.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 247, 234) }
```

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

```
.background{ background-color: rgb(249,  
247, 234) }
```

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