

Converting Colors

XYZ(80.6075, 86.9971, 64.1272)

Have a look what the booklet for
XYZ(80.6075, 86.9971, 64.1272)
contains.

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Color

**XYZ(80.7300, 87.1747,
64.2012)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF1C3
RGB	250, 241, 195
RGB Percent	98%, 95%, 76%
CMY	0.0196, 0.0549, 0.2353
CMYK	0.00, 0.04, 0.22, 0.02
HSL	50°, 85%, 87%
HSV	50°, 22%, 98%
XYZ	80.7300, 87.1747, 64.2012
YIQ	238.4470, 20.1300, -12.3980

Conversions

Conversions Part 2

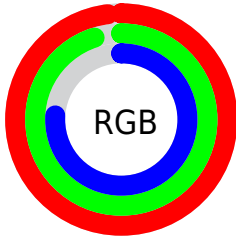
Format	Color
R_{YB}	206, 250, 195
Decimal	16445891
CIE Lab	94.81, -4.12, 23.35
CIE LCh	95, 23.707, 100.014
Yxy	87.1747, 0.3478, 0.3756
Android (android.graphics.Color)	4294635971 (0xFFFAF1C3)
YUV	238.4470, -21.4194, 10.1320
Hunter-Lab	93.3674, -9.0531, 24.5882

Details

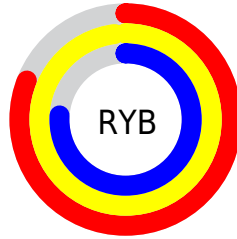
The XYZ color **80.7300, 87.1747, 64.2012** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.3537, 61.6886, 99.1165**, and the grayscale version is **81.7664, 86.0246, 93.6808**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **44.1490, 47.9585, 32.1293** is the 20% darker color. If you saturate the color by 10%, you get **76.9408, 83.7472, 50.1408**, and if you desaturate by 10%, it is **85.0242, 90.8537, 80.7668**.

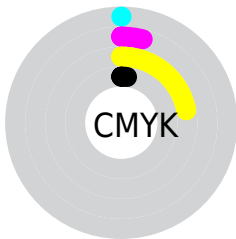
Distribution



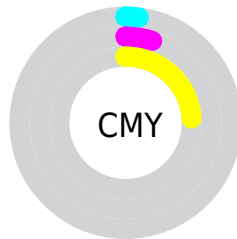
- Red (98%)
- Green (95%)
- Blue (76%)



- Red (81%)
- Yellow (98%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7300, 87.1747, 64.2012 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 80.7300, 87.1747, 64.2012 by changing the saturation by 10% instead.


 80.7300, 87.1747,
64.2012

 80.7300, 87.1747,
64.2012


486.0887,
518.7968, 458.1432

 60.6298, 65.6398,
46.3664


133.3367,
143.4076, 112.5029

 44.1779, 47.9800,
32.1843


166.5740,
178.8744, 143.8069

 31.0089, 33.8111,
21.2363


204.9209,
219.7540, 180.4377

 20.7575, 22.7485,
13.1039

248.7429,
266.4306, 222.8139

 13.0583, 14.4079,
7.3686

298.4053,
319.2889, 271.3541

 7.5460, 8.4049,
3.6117

354.2735,

 3.8552, 4.3551,

378.7130, 326.4766

1.4149

416.7129,
445.0875, 388.6002

■ 1.6205, 1.8741,
0.1533

■ 0.4057, 0.5328,
0.0000

■ 80.7300, 87.1747,
64.2012

■ 80.7300, 87.1747,
64.2012

■ 76.9408, 83.7472,
50.1408

■ 85.0242, 90.8537,
80.7668

■ 73.6261, 80.5496,
38.4559

■ 89.8387, 94.7815,
99.9476

■ 70.7625, 77.5754,
29.0138

■ 92.6858, 97.9664,
108.6321

■ 68.3215, 74.8129,
21.6663

■ 93.2346, 99.0641,
108.8150

■ 66.2715, 72.2490,
16.2472

■ 64.5760, 69.8691,
12.5653

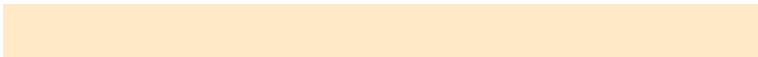
■ 63.1911, 67.6550,
10.3901

■ 62.2534, 65.9817,
9.4546

Harmonies

Analogous

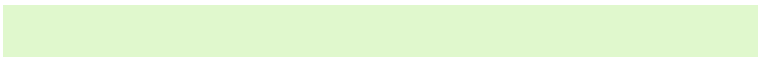
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1458, 87.1747, 65.4339



80.7300, 87.1747, 64.2012



75.1746, 87.1747, 70.3468

Triad

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



80.7300, 87.1747, 64.2012



73.7623, 87.1747, 119.4983



95.0009, 87.1747, 107.5148

Complementary

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



80.7300, 87.1747, 64.2012



61.3537, 61.6886, 99.1165

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.



91.0456, 87.1747, 124.6338



80.7300, 87.1747, 64.2012



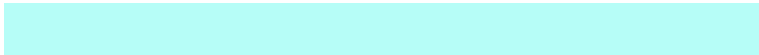
78.7112, 87.1747, 132.1476

Square

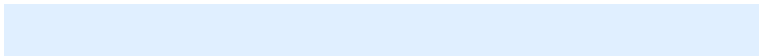
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7300, 87.1747, 64.2012



71.2914, 87.1747, 101.1962



85.0209, 87.1747, 134.1395



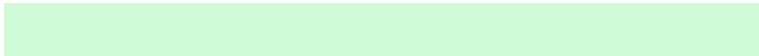
95.6102, 87.1747, 88.9058

Rectangle

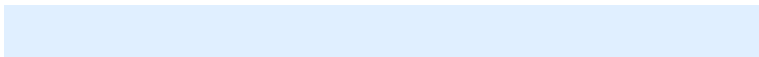
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7300, 87.1747, 64.2012



72.6235, 87.1747, 78.3313



85.0209, 87.1747, 134.1395



94.0092, 87.1747, 113.6959

Sweetspot

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



80.7323, 87.1786, 64.2030



91.3838, 97.0548, 94.1527



69.8595, 63.7230, 65.8505



19.4950, 20.7207, 19.8942



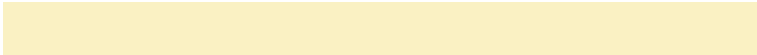
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

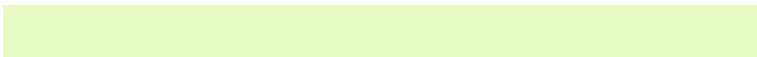
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7323, 87.1786, 64.2030



82.7908, 89.7171, 60.9272



77.2074, 89.4122, 64.8199



18.4716, 19.6790, 18.2873



33.1115, 35.1796, 5.0452



3.1290, 3.3829, 0.4880

Inverse Universe

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



61.3537, 61.6886, 99.1165



59.5105, 59.0976, 102.8782



64.3088, 60.1295, 98.6598



16.5123, 17.1014, 21.8159



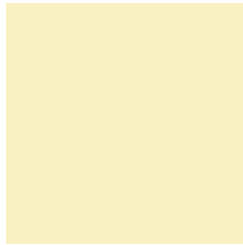
9.6391, 4.6338, 48.3599



0.9563, 0.5564, 4.5002

Previews

White Background



This preview shows how the XYZ color 80.7300, 87.1747, 64.2012 looks on a white background.

Color Contrast Check

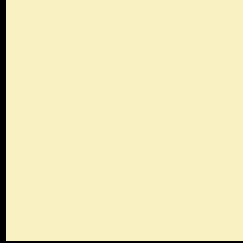
Large Text (above 18pt) WCAG AA × Fail

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 80.7300, 87.1747, 64.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

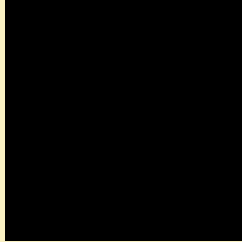
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7300, 87.1747, 64.2012

Background



This preview shows how black text looks on a background with the XYZ color 80.7300, 87.1747, 64.2012.



This preview shows how white text looks on a background with the XYZ color 80.7300, 87.1747,

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

80.7300, 87.1747, 64.2012

Protanopia

81.7707, 87.2860, 63.5770

Deuteranopia

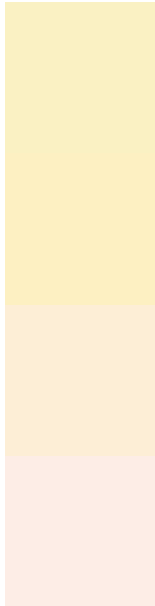
85.1148, 87.2646, 83.5919



Tritanopia

87.9181, 87.0078, 102.6029

Trichromacy



Original Color

80.7300, 87.1747, 64.2012

Protanomaly

81.4057, 87.0979, 63.5600

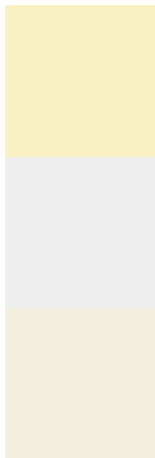
Deuteranomaly

83.2201, 86.8868, 76.0030

Tritanomaly

85.0751, 87.1642, 87.2033

Monochromacy



Original Color

80.7300, 87.1747, 64.2012

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.6693, 85.8842, 81.4328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7300, 87.1747, 64.2012 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(250, 241, 195)` looks like.

```
.text, #text, p{  
    color:rgb(250, 241, 195)  
}
```

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(250, 241, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 241, 195) }
```

Border

The CSS property to change the border of an element to XYZ 80.7300, 87.1747, 64.2012 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(250, 241, 195) }
```


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

```
.border{ border-color:rgb(250, 241, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 241, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 241, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 241, 195);  
box-shadow:4px 4px 4px 4px rgb(250, 241,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7300, 87.1747, 64.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 241, 195) }
```

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

```
.background{ background-color: rgb(250,  
241, 195) }
```

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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