

Converting Colors

XYZ(71.8929, 80.4212, 65.9727)

Have a look what the booklet for
XYZ(71.8929, 80.4212, 65.9727)
contains.

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Color

**XYZ(71.9828, 80.4453,
65.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	E3ECC7
RGB	227, 236, 199
RGB Percent	89%, 93%, 78%
CMY	0.1098, 0.0745, 0.2196
CMYK	0.04, 0.00, 0.16, 0.07
HSL	75°, 49%, 85%
HSV	75°, 16%, 93%
XYZ	71.9828, 80.4453, 65.7664
YIQ	229.0910, 6.5130, -13.4150

Conversions

Conversions Part 2

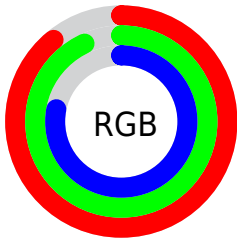
Format	Color
RYB	199, 236, 208
Decimal	14937287
CIELab	91.88, -9.26, 16.95
CIELCh	92, 19.312, 118.658
Yxy	80.4453, 0.3299, 0.3687
Android (android.graphics.Color)	4293127367 (0xFFE3ECC7)
YUV	229.0910, -14.8349, -1.8338
Hunter-Lab	89.6913, -13.7025, 19.3094

Details

The XYZ color **71.9828, 80.4453, 65.7664** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.5793, 60.3150, 87.7576**, and the grayscale version is **74.6474, 78.5348, 85.5244**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2267, 43.3448, 33.1397** is the 20% darker color. If you saturate the color by 10%, you get **67.6718, 78.5178, 52.3532**, and if you desaturate by 10%, it is **76.7836, 82.5810, 81.4241**.

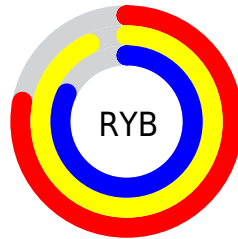
Distribution



Red (89%)

Green (93%)

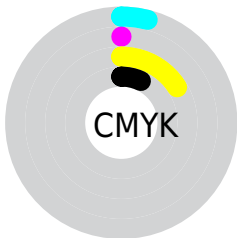
Blue (78%)



Red (78%)

Yellow (93%)

Blue (82%)

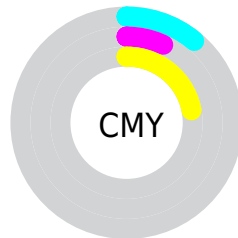


Cyan (4%)

Magenta (0%)

Yellow (16%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9828, 80.4453, 65.7664 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 71.9828, 80.4453, 65.7664 by changing the saturation by 10% instead.

71.9828, 80.4453,
65.7664

71.9828, 80.4453,
65.7664

456.6403,
496.4323, 463.9224

53.4300, 60.0849,
47.6275

121.0430,
133.9916, 114.7748

38.3750, 43.4870,
33.1741

152.2812,
167.9463, 146.4814

26.4524, 30.2674,
21.9876

188.4785,
207.2012, 183.5476

17.2969, 20.0417,
13.6496

230.0004,
252.1406, 226.3920

10.5430, 12.4253,
7.7414

277.2121,
303.1491, 275.4332

5.8254, 7.0340,
3.8445

330.4791,

2.7789, 3.4834,

360.6109, 331.0896

1.5404

390.1667,
424.9105, 393.7798

■ 1.0379, 1.3890,
0.2478

■ 0.0000, 0.2086,
0.0000

■ 71.9828, 80.4453,
65.7664

■ 71.9828, 80.4453,
65.7664

■ 67.6718, 78.5178,
52.3532

■ 76.7836, 82.5810,
81.4241

■ 63.8240, 76.7798,
41.0764

■ 82.0865, 84.9220,
99.4174

■ 60.4199, 75.2261,
31.8268

■ 85.4353, 86.4885,
106.7988

■ 57.4360, 73.8473,
24.4837

■ 87.4619, 87.5332,
106.8936

■ 54.8462, 72.6328,
18.9132

■ 89.2871, 88.4742,
106.9790

■ 52.6214, 71.5710,
14.9644

■ 50.7273, 70.6480,
12.4609

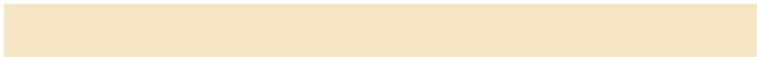
■ 49.1221, 69.8470,
11.1856

■ 48.4893, 69.5273,
10.8644

Harmonies

Analogous

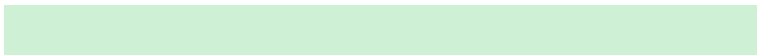
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6842, 80.4453, 63.0501



71.9828, 80.4453, 65.7664



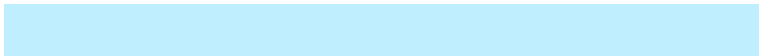
68.6101, 80.4453, 74.1533

Triad

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



71.9828, 80.4453, 65.7664



71.6122, 80.4453, 113.0190



86.3850, 80.4453, 88.2319

Complementary

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



71.9828, 80.4453, 65.7664



61.5793, 60.3150, 87.7576

Split Complementary

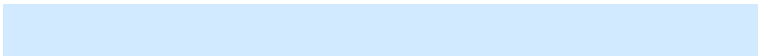
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8887, 80.4453, 102.5619



71.9828, 80.4453, 65.7664



76.2379, 80.4453, 117.7942

Square

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



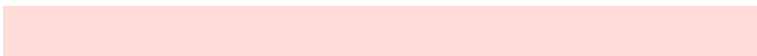
71.9828, 80.4453, 65.7664



68.4027, 80.4453, 101.3371



81.1209, 80.4453, 113.7781



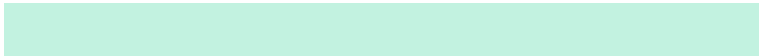
85.1282, 80.4453, 75.1483

Rectangle

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



71.9828, 80.4453, 65.7664



67.4961, 80.4453, 82.3346



81.1209, 80.4453, 113.7781



86.1862, 80.4453, 93.0670

Sweetspot

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



71.9849, 80.4488, 65.7681



91.9323, 98.6221, 98.3920



67.3702, 66.8919, 63.3946



19.5861, 21.0688, 20.7560



0.0000, 0.0000, 0.0000



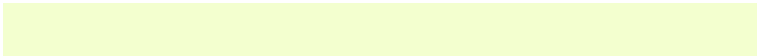
20.3446, 21.4041, 23.3091

Same Dimension

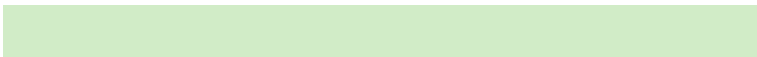
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9849, 80.4488, 65.7681



84.0022, 95.0951, 72.6712



66.5637, 77.6541, 65.5144



15.9730, 17.4316, 16.0415



26.8493, 38.3858, 5.9941



2.1937, 3.0582, 0.4747

Inverse Universe

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



61.5793, 60.3150, 87.7576



69.2692, 66.5858, 103.8092



66.9723, 63.0952, 88.0100



14.5745, 14.7259, 18.9965



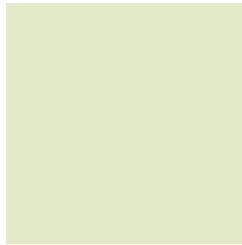
9.3868, 3.8750, 43.9962



0.8218, 0.3479, 3.4587

Previews

White Background



This preview shows how the XYZ color 71.9828, 80.4453, 65.7664 looks on a white background.

Color Contrast Check

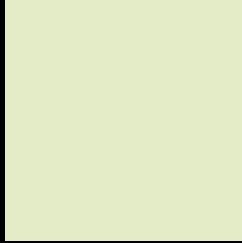
Large Text (above 18pt) WCAG AA × Fail

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 71.9828, 80.4453, 65.7664 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

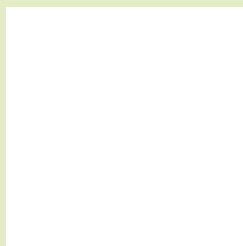
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9828, 80.4453, 65.7664

Background



This preview shows how black text looks on a background with the XYZ color 71.9828, 80.4453, 65.7664.



This preview shows how white text looks on a background with the XYZ color 71.9828, 80.4453,

65.7664.

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

71.9828, 80.4453, 65.7664

Protanopia

75.8479, 80.3704, 63.7400

Deuteranopia

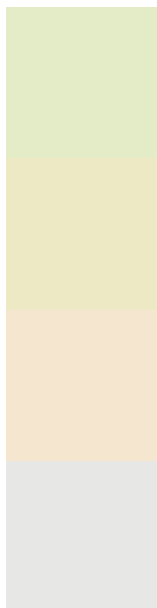
80.1942, 80.3559, 72.9116



Tritanopia

78.7395, 80.2464, 99.3348

Trichromacy



Original Color

71.9828, 80.4453, 65.7664

Protanomaly

74.4769, 80.4862, 64.4334

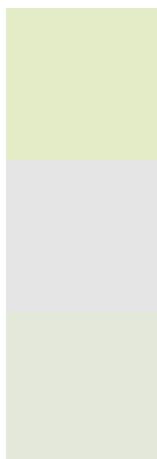
Deuteranomaly

77.2155, 80.5111, 70.5020

Tritanomaly

76.0945, 80.4153, 86.3740

Monochromacy



Original Color

71.9828, 80.4453, 65.7664

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5064, 79.2692, 77.7559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9828, 80.4453, 65.7664 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(227, 236, 199)` looks like.

```
.text, #text, p{  
    color:rgb(227, 236, 199)  
}
```

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(227, 236, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 236, 199) }
```

Border

The CSS property to change the border of an element to XYZ 71.9828, 80.4453, 65.7664 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(227, 236, 199) }
```


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

```
.border{ border-color:rgb(227, 236, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 236, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 236, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 236, 199);  
box-shadow:4px 4px 4px 4px rgb(227, 236,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9828, 80.4453, 65.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 236, 199) }
```

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

```
.background{ background-color: rgb(227,  
236, 199) }
```

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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