

Converting Colors

XYZ(70.1033, 79.9600, 57.4793)

Have a look what the booklet for
XYZ(70.1033, 79.9600, 57.4793)
contains.

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Color

**XYZ(70.0925, 80.0787,
57.6614)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EDB9
RGB	225, 237, 185
RGB Percent	88%, 93%, 73%
CMY	0.1176, 0.0706, 0.2745
CMYK	0.05, 0.00, 0.22, 0.07
HSL	74°, 59%, 83%
HSV	74°, 22%, 93%
XYZ	70.0925, 80.0787, 57.6614
YIQ	227.4840, 9.5400, -18.7160

Conversions

Conversions Part 2

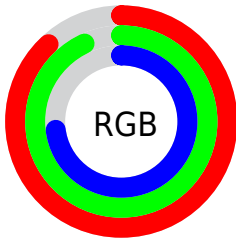
Format	Color
RYB	185, 237, 197
Decimal	14806457
CIELab	91.72, -12.58, 23.91
CIELCh	92, 27.021, 117.744
Yxy	80.0787, 0.3373, 0.3853
Android (android.graphics.Color)	4292996537 (0xFFE1EDB9)
YUV	227.4840, -20.9446, -2.1785
Hunter-Lab	89.4867, -16.7875, 24.4368

Details

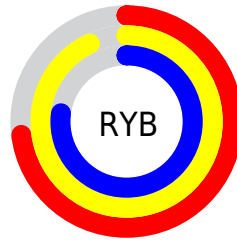
The XYZ color **70.0925, 80.0787, 57.6614** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.6641, 52.6848, 87.3605**, and the grayscale version is **73.5109, 77.3392, 84.2224**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **37.0509, 43.1487, 28.2055** is the 20% darker color. If you saturate the color by 10%, you get **66.1185, 78.2979, 45.4860**, and if you desaturate by 10%, it is **74.5425, 82.0616, 72.0394**.

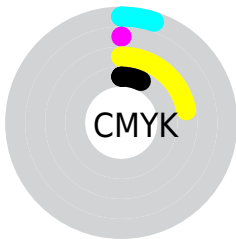
Distribution



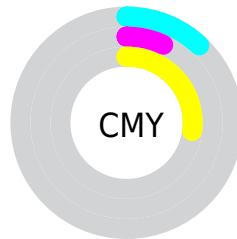
- Red (88%)
- Green (93%)
- Blue (73%)



- Red (73%)
- Yellow (93%)
- Blue (77%)



- Cyan (5%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (12%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0925, 80.0787, 57.6614 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 70.0925, 80.0787, 57.6614 by changing the saturation by 10% instead.


 70.0925, 80.0787,
57.6614

 70.0925, 80.0787,
57.6614


450.1361,
495.1980, 433.4860

 51.8818, 59.7831,
41.1236


 118.3662,
133.4764, 102.9395

 37.1348, 43.2438,
28.0952


149.1599,
167.3473, 132.5169

 25.4860, 30.0765,
18.1578


184.8787,
206.5120, 167.2779

 16.5702, 19.8967,
10.8927

225.8879,
251.3551, 207.6411

 10.0219, 12.3199,
5.8815

272.5529,
302.2608, 254.0249

 5.4759, 6.9620,
2.7055

325.2390,

 2.5667, 3.4383,

359.6136, 306.8480

0.9462

384.3116,
423.7979, 366.5289

■ 0.9290, 1.3646,
0.0000

■ 0.0000, 0.1904,
0.0000

■ 70.0925, 80.0787,
57.6614

■ 70.0925, 80.0787,
57.6614

■ 66.1185, 78.2979,
45.4860

■ 74.5425, 82.0616,
72.0394

■ 62.5930, 76.7000,
35.3991

■ 79.4819, 84.2440,
88.7161

■ 59.4952, 75.2795,
27.2845

■ 84.7531, 86.5655,
106.8496

■ 56.8000, 74.0261,
21.0123

■ 86.6533, 87.5451,
106.9385

■ 54.4791, 72.9285,
16.4370

■ 88.6101, 88.5538,
107.0301

■ 52.5004, 71.9737,
13.3914

■ 89.5758, 89.0517,
107.0753

■ 50.8249, 71.1463,
11.6743

■ 49.6466, 70.5525,
11.0013

Harmonies

Analogous

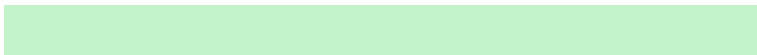
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6367, 80.0787, 54.4253



70.0925, 80.0787, 57.6614



65.4189, 80.0787, 68.4174

Triad

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



70.0925, 80.0787, 57.6614



69.2384, 80.0787, 123.4976



90.1775, 80.0787, 88.6988

Complementary

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



70.0925, 80.0787, 57.6614



55.6641, 52.6848, 87.3605

Split Complementary

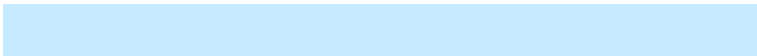
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9120, 80.0787, 109.1210



70.0925, 80.0787, 57.6614



75.5905, 80.0787, 131.0154

Square

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



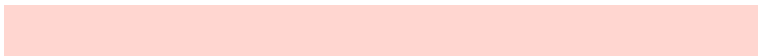
70.0925, 80.0787, 57.6614



64.9471, 80.0787, 106.1352



82.4675, 80.0787, 125.3967



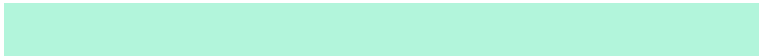
88.4891, 80.0787, 70.6487

Rectangle

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



70.0925, 80.0787, 57.6614



63.8515, 80.0787, 79.3604



82.4675, 80.0787, 125.3967



89.8503, 80.0787, 95.5228

Sweetspot

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



70.0946, 80.0822, 57.6631



90.8082, 98.1300, 94.3906



63.4849, 61.1099, 54.3495



19.3614, 20.9706, 19.9495



0.0000, 0.0000, 0.0000



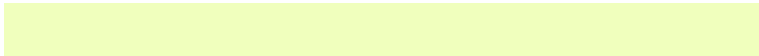
20.3446, 21.4041, 23.3091

Same Dimension

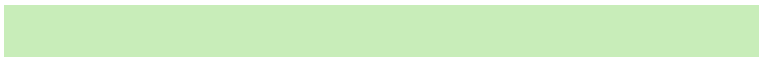
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0946, 80.0822, 57.6631



80.7444, 93.6530, 61.7947



62.7921, 76.3177, 57.3214



15.9922, 17.4415, 16.0424



27.2241, 38.5790, 6.0116



2.2203, 3.0719, 0.4759

Inverse Universe

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



55.6641, 52.6848, 87.3605



61.0864, 56.3244, 102.2598



62.8437, 56.3860, 87.6965



14.5566, 14.7167, 18.9956



9.2921, 3.8262, 43.9917



0.8121, 0.3429, 3.4583

Previews

White Background



This preview shows how the XYZ color 70.0925, 80.0787, 57.6614 looks on a white background.

Color Contrast Check

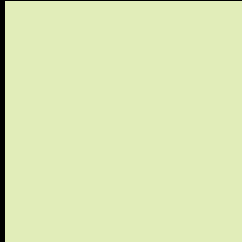
Large Text (above 18pt) WCAG AA × Fail

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 70.0925, 80.0787, 57.6614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

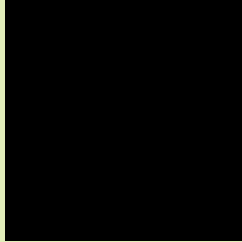
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

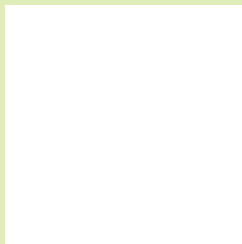
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0925, 80.0787, 57.6614

Background



This preview shows how black text looks on a background with the XYZ color 70.0925, 80.0787, 57.6614.



This preview shows how white text looks on a background with the XYZ color 70.0925, 80.0787,

57.6614.

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

70.0925, 80.0787, 57.6614

Protanopia

75.0254, 80.1221, 55.7668

Deuteranopia

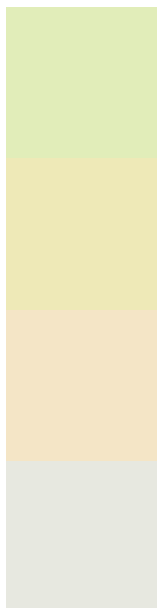
79.1847, 79.5182, 68.9327



Tritanopia

78.7395, 80.2464, 99.3348

Trichromacy



Original Color

70.0925, 80.0787, 57.6614

Protanomaly

72.9461, 79.8739, 56.3723

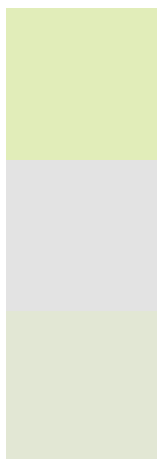
Deuteranomaly

75.5206, 79.3489, 64.7616

Tritanomaly

75.2662, 80.0840, 82.0118

Monochromacy



Original Color

70.0925, 80.0787, 57.6614

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.8236, 78.0740, 73.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0925, 80.0787, 57.6614 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(225, 237, 185)` looks like.

```
.text, #text, p{  
    color:rgb(225, 237, 185)  
}
```

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(225, 237, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 237, 185) }
```

Border

The CSS property to change the border of an element to XYZ 70.0925, 80.0787, 57.6614 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(225, 237, 185) }
```


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

```
.border{ border-color:rgb(225, 237, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 237, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 237, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 237, 185); box-shadow:4px 4px 4px 4px rgb(225, 237, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0925, 80.0787, 57.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 237, 185) }
```

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

```
.background{ background-color: rgb(225,  
237, 185) }
```

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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