

Converting Colors

XYZ(70.5854, 80.8333, 24.7161)

Have a look what the booklet for
XYZ(70.5854, 80.8333, 24.7161)
contains.

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Color

**XYZ(70.4497, 80.5630,
24.6691)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EC67
RGB	246, 236, 103
RGB Percent	96%, 93%, 40%
CMY	0.0353, 0.0745, 0.5961
CMYK	0.00, 0.04, 0.58, 0.04
HSL	56°, 89%, 68%
HSV	56°, 58%, 96%
XYZ	70.4497, 80.5630, 24.6691
YIQ	223.8280, 48.6530, -39.2430

Conversions

Conversions Part 2

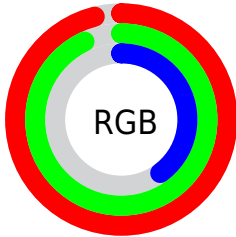
Format	Color
RYB	114, 246, 103
Decimal	16182375
CIELab	91.94, -12.75, 64.17
CIElCh	92, 65.426, 101.235
Yxy	80.5630, 0.4010, 0.4586
Android (android.graphics.Color)	4294372455 (0xFFFF6EC67)
YUV	223.8280, -59.5682, 19.4448
Hunter-Lab	89.7569, -16.9709, 46.5344

Details

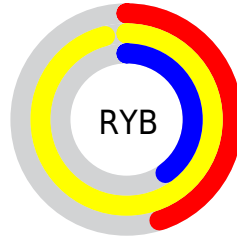
The XYZ color **70.4497, 80.5630, 24.6691** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.1333, 21.3472, 89.8261**, and the grayscale version is **71.1182, 74.8219, 81.4811**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **37.3279, 43.4125, 9.1014** is the 20% darker color. If you saturate the color by 10%, you get **68.9003, 79.1580, 18.9315**, and if you desaturate by 10%, it is **72.3709, 82.1303, 32.3240**.

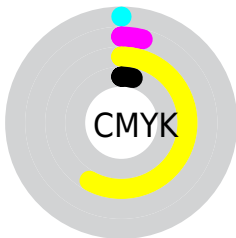
Distribution



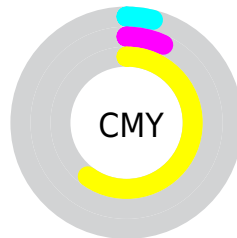
- Red (96%)
- Green (93%)
- Blue (40%)



- Red (45%)
- Yellow (96%)
- Blue (40%)



- Cyan (0%)
- Magenta (4%)
- Yellow (58%)
- Black (4%)



- Cyan (4%)
- Magenta (7%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4497, 80.5630, 24.6691 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 70.4497, 80.5630, 24.6691 by changing the saturation by 10% instead.

70.4497, 80.5630,
24.6691

70.4497, 80.5630,
24.6691

451.3692,
496.8282, 289.5807

52.1742, 60.1818,
15.6139

118.8726,
134.1570, 52.0773

37.3687, 43.5651,
9.1000

149.7507,
168.1385, 71.2675

25.6681, 30.3288,
4.7088

185.5603,
207.4223, 94.6730

16.7069, 20.0883,
2.0217

226.6669,
252.3927, 122.7125

10.1197, 12.4592,
0.5686

273.4357,
303.4340, 155.8045

5.5413, 7.0572,
0.0000

326.2321,

2.6062, 3.4979,

360.9308, 194.3675

0.0000

385.4215,
425.2674, 238.8201

■ 0.9491, 1.3969,
0.0000

■ 0.0000, 0.2144,
0.0000

■ 70.4497, 80.5630,
24.6691

■ 70.4497, 80.5630,
24.6691

■ 68.9003, 79.1580,
18.9315

■ 72.3709, 82.1303,
32.3240

■ 67.6840, 77.8909,
14.9331


■ 74.6870, 83.8602,
42.0436


■ 66.7639, 76.7498,
12.4710

■ 77.4260, 85.7669,
53.9664

■ 66.0864, 75.7134,
11.2632


■ 80.6117, 87.8600,
68.2177


 65.9722, 75.5253,
11.1007

 84.2661, 90.1483,
84.9133

 88.4097, 92.6400,
104.1612

 89.6357, 93.9725,
108.0219

 90.1669, 95.0347,
108.1990

 90.7028, 96.1066,
108.3776

Harmonies

Analogous

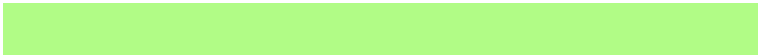
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4421, 80.5630, 26.0438



70.4497, 80.5630, 24.6691



57.1920, 80.5630, 34.9178

Triad

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



70.4497, 80.5630, 24.6691



54.7576, 80.5630, 163.9259



111.4138, 80.5630, 120.9748

Complementary

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



70.4497, 80.5630, 24.6691



28.1333, 21.3472, 89.8261

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.



99.9010, 80.5630, 177.3105



70.4497, 80.5630, 24.6691



66.6436, 80.5630, 207.7161

Square

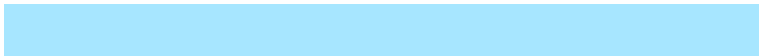
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4497, 80.5630, 24.6691



49.0566, 80.5630, 107.0075



83.0406, 80.5630, 213.3536



112.8298, 80.5630, 70.9007

Rectangle

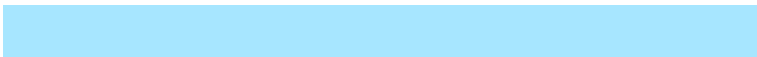
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4497, 80.5630, 24.6691



51.6019, 80.5630, 50.3051



83.0406, 80.5630, 213.3536



108.5253, 80.5630, 140.1985

Sweetspot

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



70.4516, 80.5668, 24.6707



87.8807, 95.5981, 75.8766



45.9465, 30.5300, 19.6668



18.6502, 20.3595, 15.5172



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.



70.4516, 80.5668, 24.6707



74.4708, 85.6064, 19.5276



55.7555, 77.3822, 24.8306



17.8097, 19.1036, 17.5463



35.2568, 40.3992, 5.9396



3.1279, 3.6091, 0.5318

Inverse Universe

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



28.1333, 21.3472, 89.8261



24.6406, 15.9175, 96.3814



36.5046, 24.0979, 89.9158



15.6741, 16.1126, 20.8265



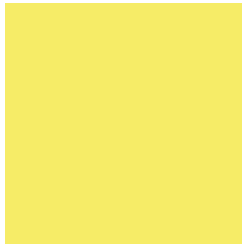
9.0229, 3.8396, 46.8036



0.8249, 0.4011, 4.1242

Previews

White Background



This preview shows how the XYZ color 70.4497, 80.5630, 24.6691 looks on a white background.

Color Contrast Check

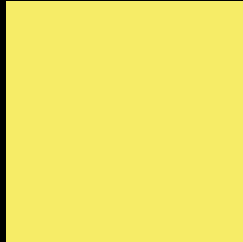
Large Text (above 18pt) WCAG AA × Fail

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 70.4497, 80.5630, 24.6691 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 70.4497, 80.5630, 24.6691

Background



This preview shows how black text looks on a background with the XYZ color 70.4497, 80.5630, 24.6691.



This preview shows how white text looks on a background with the XYZ color 70.4497, 80.5630,

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

70.4497, 80.5630, 24.6691

Protanopia

73.7347, 80.4285, 30.7068

Deuteranopia

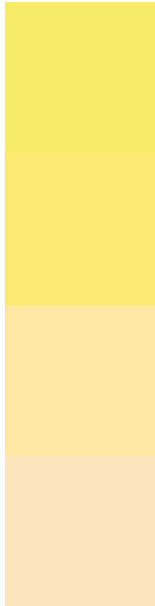
78.4467, 80.0932, 62.3639



Tritanopia

83.0603, 80.2084, 91.9929

Trichromacy



Original Color

70.4497, 80.5630, 24.6691

Protanomaly

72.4362, 80.2342, 28.1920

Deuteranomaly

74.8747, 79.8623, 45.1869

Tritanomaly

77.0736, 79.8564, 59.4957

Monochromacy



Original Color

70.4497, 80.5630, 24.6691

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.2603, 75.9379, 54.1871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4497, 80.5630, 24.6691 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(246, 236, 103)` looks like.

```
.text, #text, p{  
    color:rgb(246, 236, 103)  
}
```

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(246, 236, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 236, 103) }
```

Border

The CSS property to change the border of an element to XYZ 70.4497, 80.5630, 24.6691 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(246, 236, 103) }
```


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

```
.border{ border-color:rgb(246, 236, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 236, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 236, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 236, 103);  
box-shadow:4px 4px 4px 4px rgb(246, 236,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4497, 80.5630, 24.6691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 236, 103) }
```

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

```
.background{ background-color: rgb(246,  
236, 103) }
```

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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