

Converting Colors

`XYZ(71.7767, 77.6784, 45.5807)`

Have a look what the booklet for
XYZ(71.7767, 77.6784, 45.5807)
contains.

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Color

**XYZ(71.8491, 77.8804,
45.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E5A2
RGB	244, 229, 162
RGB Percent	96%, 90%, 64%
CMY	0.0431, 0.1019, 0.3647
CMYK	0.00, 0.06, 0.34, 0.04
HSL	49°, 79%, 80%
HSV	49°, 34%, 96%
XYZ	71.8491, 77.8804, 45.4280
YIQ	225.8470, 30.4470, -17.6570

Conversions

Conversions Part 2

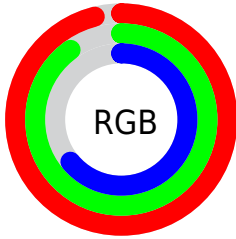
Format	Color
R_{YB}	180, 244, 162
Decimal	16049570
CIE Lab	90.73, -4.55, 34.56
CIE LCh	91, 34.861, 97.496
Yxy	77.8804, 0.3682, 0.3991
Android (android.graphics.Color)	4294239650 (0xFFFF4E5A2)
YUV	225.8470, -31.4766, 15.9202
Hunter-Lab	88.2499, -9.1106, 31.2545

Details

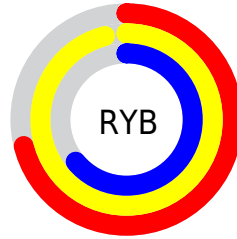
The XYZ color **71.8491, 77.8804, 45.4280** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.9512, 45.6559, 91.9258**, and the grayscale version is **72.3847, 76.1544, 82.9321**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **38.4440, 41.9627, 20.8252** is the 20% darker color. If you saturate the color by 10%, you get **68.6692, 74.6612, 34.6858**, and if you desaturate by 10%, it is **75.4855, 81.3385, 58.4003**.

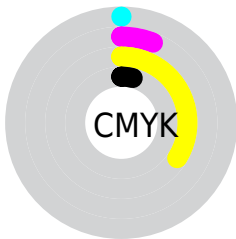
Distribution



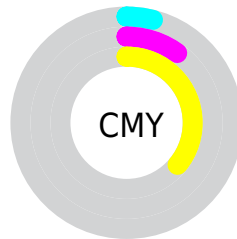
- Red (96%)
- Green (90%)
- Blue (64%)



- Red (71%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (4%)





- Cyan (4%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8491, 77.8804, 45.4280 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 71.8491, 77.8804, 45.4280 by changing the saturation by 10% instead.

 71.8491, 77.8804,
45.4280


 71.8491, 77.8804,
45.4280


456.1820,
487.7606, 384.7148

 53.3204, 57.9757,
31.4493


 120.8539,
130.3815, 84.6875

 38.2871, 41.7891,
20.6799


 152.0608,
163.7467, 110.8054

 26.3838, 28.9362,
12.7012


188.2245,
202.3676, 141.8068

 17.2452, 19.0326,
7.0948

229.7103,
246.6286, 178.1102

 10.5059, 11.6938,
3.4421

276.8836,
296.9139, 220.1342

 5.8004, 6.5356,
1.3246

330.1097,

 2.7636, 3.1734,

353.6081, 268.2972

0.0818

389.7541,
417.0955, 323.0179

■ 1.0300, 1.2229,
0.0000

■ 0.0000, 0.0803,
0.0000

■ 71.8491, 77.8804,
45.4280

■ 71.8491, 77.8804,
45.4280

■ 68.6692, 74.6612,
34.6858

■ 75.4855, 81.3385,
58.4003

■ 65.9153, 71.6600,
26.0402

■ 79.5953, 85.0344,
73.7163

■ 63.5621, 68.8691,
19.3507

■ 84.2015, 88.9803,
91.4876

■ 61.5791, 66.2759,
14.4577

■ 88.5740, 92.8846,
107.8679

■ 59.9310, 63.8659,
11.1763

■ 89.9537, 95.6441,
108.3278

■ 58.5749, 61.6215,
9.2817

■ 91.1182, 97.9731,
108.7160

■ 57.8200, 60.2568,
8.5833

Harmonies

Analogous

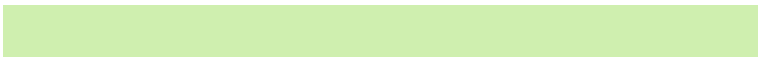
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6526, 77.8804, 47.6110



71.8491, 77.8804, 45.4280



64.2445, 77.8804, 52.0199

Triad

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



71.8491, 77.8804, 45.4280



61.4580, 77.8804, 117.6492



90.6841, 77.8804, 104.6150

Complementary

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



71.8491, 77.8804, 45.4280



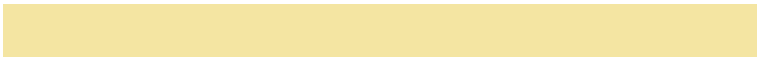
46.9512, 45.6559, 91.9258

Split Complementary

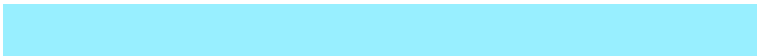
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7466, 77.8804, 129.0723



71.8491, 77.8804, 45.4280



67.7670, 77.8804, 137.5725

Square

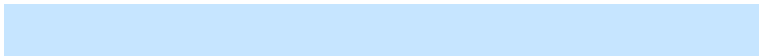
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8491, 77.8804, 45.4280



58.5604, 77.8804, 91.2430



76.2403, 77.8804, 142.1199



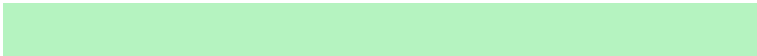
91.9928, 77.8804, 78.6648

Rectangle

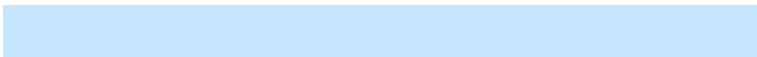
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8491, 77.8804, 45.4280



60.7182, 77.8804, 61.4473



76.2403, 77.8804, 142.1199



89.1419, 77.8804, 113.4227

Sweetspot

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



71.8511, 77.8840, 45.4296



89.7433, 95.5261, 88.2037



58.1682, 48.2503, 47.8608



19.0588, 20.3168, 18.3047



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.



71.8511, 77.8840, 45.4296



77.0858, 83.7520, 42.2399



67.7961, 82.2207, 46.4804



17.6420, 18.7680, 17.4903



31.5326, 32.9507, 4.6982



2.8369, 3.0270, 0.4347

Inverse Universe

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



46.9512, 45.6559, 91.9258



45.8731, 43.3647, 100.5602



49.9810, 43.0604, 91.2651



15.8262, 16.4167, 20.8772



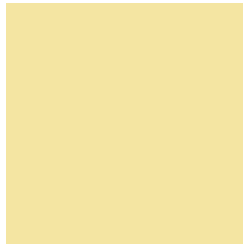
9.4520, 4.6978, 46.9466



0.8969, 0.5452, 4.1482

Previews

White Background



This preview shows how the XYZ color 71.8491, 77.8804, 45.4280 looks on a white background.

Color Contrast Check

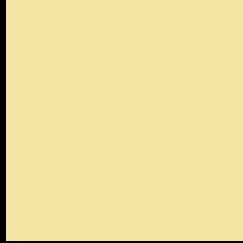
Large Text (above 18pt) WCAG AA × Fail

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 71.8491, 77.8804, 45.4280 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 71.8491, 77.8804, 45.4280

Background



This preview shows how black text looks on a background with the XYZ color 71.8491, 77.8804, 45.4280.

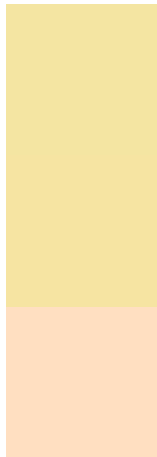


This preview shows how white text looks on a background with the XYZ color 71.8491, 77.8804,

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

71.8491, 77.8804, 45.4280

Protanopia

72.2710, 77.6883, 45.3687

Deuteranopia

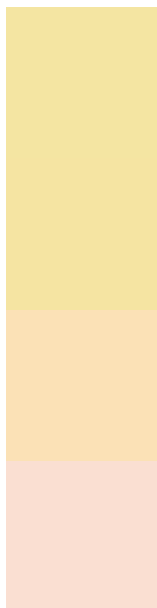
77.2533, 77.8856, 61.4138



Tritanopia

81.1256, 77.6601, 90.8349

Trichromacy



Original Color

71.8491, 77.8804, 45.4280

Protanomaly

71.9212, 77.5079, 45.3523

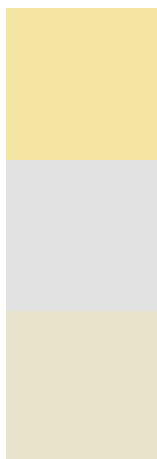
Deuteranomaly

75.1524, 77.7371, 55.2998

Tritanomaly

77.4449, 77.7525, 71.8987

Monochromacy



Original Color

71.8491, 77.8804, 45.4280

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.8528, 76.5736, 67.4930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8491, 77.8804, 45.4280 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(244, 229, 162)` looks like.

```
.text, #text, p{  
    color:rgb(244, 229, 162)  
}
```

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(244, 229, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 229, 162) }
```

Border

The CSS property to change the border of an element to XYZ 71.8491, 77.8804, 45.4280 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(244, 229, 162) }
```


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

```
.border{ border-color:rgb(244, 229, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 229, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 229, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 229, 162);  
box-shadow:4px 4px 4px 4px rgb(244, 229,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8491, 77.8804, 45.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 229, 162) }
```

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

```
.background{ background-color: rgb(244,  
229, 162) }
```

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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