

Converting Colors

XYZ(74.6558, 88.5329, 45.4905)

Have a look what the booklet for
XYZ(74.6558, 88.5329, 45.4905)
contains.

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Color

**XYZ(74.6181, 88.5020,
45.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFA9E
RGB	235, 250, 158
RGB Percent	92%, 98%, 62%
CMY	0.0784, 0.0196, 0.3804
CMYK	0.06, 0.00, 0.37, 0.02
HSL	70°, 90%, 80%
HSV	70°, 37%, 98%
XYZ	74.6181, 88.5020, 45.4976
YIQ	235.0270, 20.5920, -31.7920

Conversions

Conversions Part 2

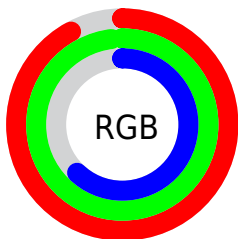
Format	Color
RYB	158, 250, 173
Decimal	15465118
CIELab	95.37, -18.80, 42.50
CIELCh	95, 46.470, 113.862
Yxy	88.5020, 0.3577, 0.4242
Android (android.graphics.Color)	4293655198 (0xFFEBFA9E)
YUV	235.0270, -37.9743, -0.0237
Hunter-Lab	94.0755, -23.0508, 37.1785

Details

The XYZ color **74.6181, 88.5020, 45.4976** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.7192, 40.2425, 95.7528**, and the grayscale version is **79.2572, 83.3848, 90.8060**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **40.2017, 49.0685, 20.7169** is the 20% darker color. If you saturate the color by 10%, you get **71.3513, 87.0446, 35.2318**, and if you desaturate by 10%, it is **78.3580, 90.1584, 58.0740**.

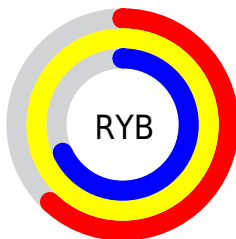
Distribution



Red (92%)

Green (98%)

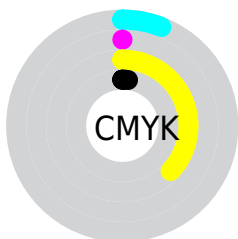
Blue (62%)



Red (62%)

Yellow (98%)

Blue (68%)

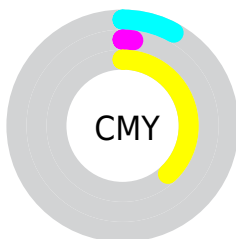


Cyan (6%)

Magenta (0%)

Yellow (37%)

Black (2%)



Cyan (8%)

Magenta (2%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6181, 88.5020, 45.4976 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 74.6181, 88.5020, 45.4976 by changing the saturation by 10% instead.

74.6181, 88.5020,
45.4976

74.6181, 88.5020,
45.4976

465.6213,
523.1458, 385.0039

55.5932, 66.7389,
31.5038

124.7624,
145.2558, 84.7930

40.1125, 48.8725,
20.7211

156.6125,
181.0154, 110.9315

27.8109, 34.5183,
12.7310

193.4683,
222.2092, 141.9555

18.3229, 23.2921,
7.1150

235.6953,
269.2216, 178.2832

11.2831, 14.8093,
3.4546

283.6587,
322.4371, 220.3334

6.3263, 8.6857,
1.3312

337.7240,

3.0870, 4.5367,

382.2400, 268.5246

0.0871

398.2564,
449.0148, 323.2752

■ 1.2000, 1.9781,
0.0000

■ 0.1063, 0.5947,
0.0000

■ 74.6181, 88.5020,
45.4976

■ 74.6181, 88.5020,
45.4976

■ 71.3513, 87.0446,
35.2318

■ 78.3580, 90.1584,
58.0740

■ 68.5240, 85.7635,
27.1302

■ 82.5890, 92.0117,
73.0842

■ 66.1086, 84.6506,
21.0387

■ 87.3362, 94.0751,
90.6495

■ 64.0713, 83.6925,
16.7804

■ 92.1333, 96.1621,
108.3129

■ 62.3724, 82.8732,
14.1476

■ 93.4775, 96.8551,
108.3758

■ 60.9620, 82.1727,
12.8776

■ 60.5469, 81.9638,
12.6294

Harmonies

Analogous

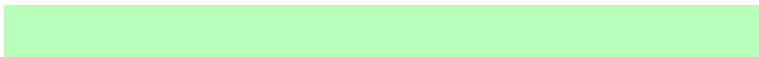
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7576, 88.5020, 42.1979



74.6181, 88.5020, 45.4976



65.8920, 88.5020, 60.7131

Triad

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



74.6181, 88.5020, 45.4976



70.5189, 88.5020, 164.6274



110.8200, 88.5020, 104.0393

Complementary

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



74.6181, 88.5020, 45.4976



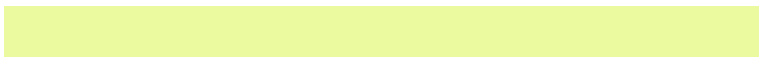
46.7192, 40.2425, 95.7528

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.



105.4297, 88.5020, 143.7910



74.6181, 88.5020, 45.4976



81.5335, 88.5020, 184.0050

Square

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



74.6181, 88.5020, 45.4976



63.6973, 88.5020, 127.5272



94.3929, 88.5020, 175.5507



108.4953, 88.5020, 70.7417

Rectangle

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



74.6181, 88.5020, 45.4976



62.7668, 88.5020, 78.1964



94.3929, 88.5020, 175.5507



109.8344, 88.5020, 117.1470

Sweetspot

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



74.6203, 88.5060, 45.4995



89.1950, 97.4659, 86.7486



60.3135, 52.2241, 39.2504



18.9470, 20.7989, 18.0333



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

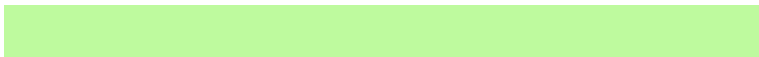
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6203, 88.5060, 45.4995



75.5276, 91.4500, 39.5781



61.6455, 81.8172, 44.8923



18.4331, 20.0391, 18.3588



32.2184, 43.5275, 6.7036



3.0557, 4.0684, 0.6242

Inverse Universe

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



46.7192, 40.2425, 95.7528



42.5606, 34.3924, 99.0030



58.3388, 46.2326, 96.2966



16.5467, 16.7790, 21.7519



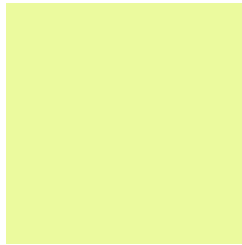
9.7112, 3.9490, 48.2239



0.9727, 0.4035, 4.4698

Previews

White Background



This preview shows how the XYZ color 74.6181, 88.5020, 45.4976 looks on a white background.

Color Contrast Check

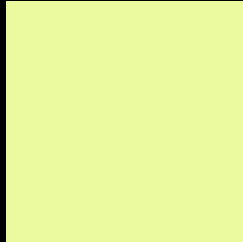
Large Text (above 18pt) WCAG AA × Fail

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 74.6181, 88.5020, 45.4976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

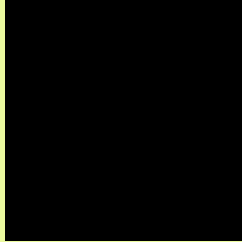
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

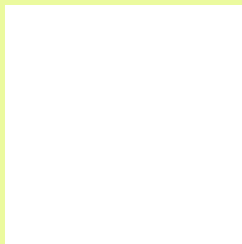
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.6181, 88.5020, 45.4976

Background



This preview shows how black text looks on a background with the XYZ color 74.6181, 88.5020, 45.4976.

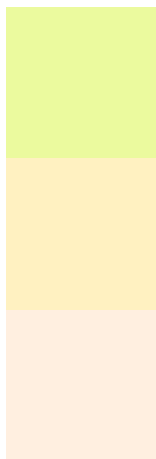


This preview shows how white text looks on a background with the XYZ color 74.6181, 88.5020,

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

74.6181, 88.5020, 45.4976

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

85.5610, 88.3748, 83.0695



Tritanopia

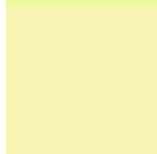
86.9823, 88.1432, 107.0366

Trichromacy



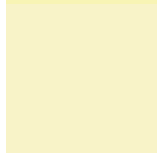
Original Color

74.6181, 88.5020, 45.4976



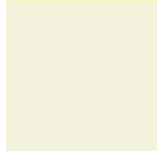
Protanomaly

79.3003, 87.9531, 55.9771



Deuteranomaly

81.1873, 88.2278, 67.3942



Tritanomaly

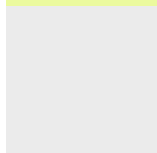
81.6325, 87.7263, 80.3405

Monochromacy



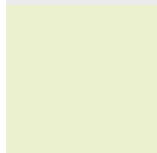
Original Color

74.6181, 88.5020, 45.4976



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.6835, 84.4873, 71.2975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6181, 88.5020, 45.4976 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(235, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(235, 250, 158)  
}
```

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(235, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 250, 158) }
```

Border

The CSS property to change the border of an element to XYZ 74.6181, 88.5020, 45.4976 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(235, 250, 158) }
```


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

```
.border{ border-color:rgb(235, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(235, 250,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6181, 88.5020, 45.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 250, 158) }
```

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

```
.background{ background-color: rgb(235,  
250, 158) }
```

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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