

Converting Colors

XYZ(77.3172, 88.5125, 45.8592)

Have a look what the booklet for
XYZ(77.3172, 88.5125, 45.8592)
contains.

XYZ(77.1750, 88.4372, 45.8034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.1750, 88.4372,
45.8034)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F79F
RGB	245, 247, 159
RGB Percent	96%, 97%, 62%
CMY	0.0392, 0.0313, 0.3765
CMYK	0.01, 0.00, 0.36, 0.03
HSL	61°, 85%, 80%
HSV	61°, 36%, 97%
XYZ	77.1750, 88.4372, 45.8034
YIQ	236.3700, 27.0560, -27.7920

Conversions

Conversions Part 2

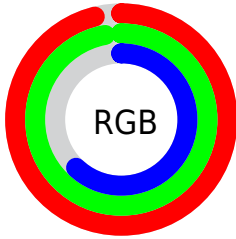
Format	Color
R _Y B	159, 247, 161
Decimal	16119711
CIE Lab	95.34, -13.47, 42.12
CIE LCh	95, 44.219, 107.738
Yxy	88.4372, 0.3650, 0.4183
Android (android.graphics.Color)	4294309791 (0xFF5F79F)
YUV	236.3700, -38.1434, 7.5685
Hunter-Lab	94.0411, -18.0854, 36.9511

Details

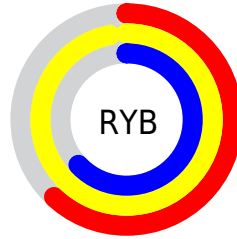
The XYZ color **77.1750, 88.4372, 45.8034** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.8877, 39.0909, 93.2330**, and the grayscale version is **80.2831, 84.4641, 91.9814**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **41.9714, 48.9936, 20.8802** is the 20% darker color. If you saturate the color by 10%, you get **75.0470, 87.5665, 35.6115**, and if you desaturate by 10%, it is **79.7364, 89.4876, 58.2547**.

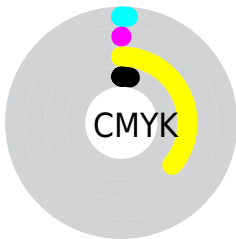
Distribution



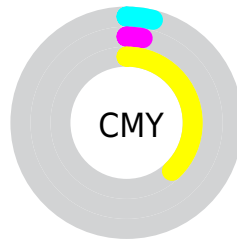
- Red (96%)
- Green (97%)
- Blue (62%)



- Red (62%)
- Yellow (97%)
- Blue (63%)



- Cyan (1%)
- Magenta (0%)
- Yellow (36%)
- Black (3%)





- Cyan (4%)
- Magenta (3%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.1750, 88.4372, 45.8034 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 77.1750, 88.4372, 45.8034 by changing the saturation by 10% instead.


 77.1750, 88.4372,
45.8034


 77.1750, 88.4372,
45.8034


474.2433,
522.9339, 386.2723

 57.6969, 66.6852,
31.7432


 128.3580,
145.1657, 85.2559

 41.8074, 48.8288,
20.9022


 160.7937,
180.9110, 111.4852

 29.1409, 34.4837,
12.8620


198.2793,
222.0894, 142.6080

 19.3323, 23.2655,
7.2040

241.1801,
269.0855, 179.0427

 12.0160, 14.7896,
3.5096

289.8616,
322.2836, 221.2080

 6.8269, 8.6719,
1.3604

344.6890,

 3.3994, 4.5278,

382.0681, 269.5223

0.1105

406.0278,
448.8234, 324.4042

■ 1.3683, 1.9730,
0.0000

■ 0.2335, 0.5917,
0.0000

■ 77.1750, 88.4372,
45.8034

■ 77.1750, 88.4372,
45.8034

■ 75.0470, 87.5665,
35.6115

■ 79.7364, 89.4876,
58.2547

■ 73.3201, 86.8531,
27.5382


■ 82.7480, 90.7150,
73.0838


■ 71.9680, 86.2898,
21.4361


■ 86.2339, 92.1323,
90.4074


■ 70.9588, 85.8636,
17.1362


■ 89.7596, 93.5655,
107.9368


 70.2550, 85.5597,
14.4411


 89.9587, 93.6681,
107.9462


 69.8102, 85.3595,
13.1072

 90.1585, 93.7711,
107.9555

 69.6667, 85.2924,
12.7912

 90.3588, 93.8744,
107.9649

 90.5598, 93.9780,
107.9743

 90.7613, 94.0819,
107.9837

Harmonies

Analogous

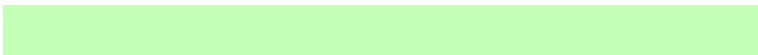
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0884, 88.4372, 44.8080



77.1750, 88.4372, 45.8034



68.0076, 88.4372, 58.1175

Triad

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



77.1750, 88.4372, 45.8034



69.3798, 88.4372, 154.4106



108.8665, 88.4372, 111.1273

Complementary

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



77.1750, 88.4372, 45.8034



43.8877, 39.0909, 93.2330

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.



102.4512, 88.4372, 148.3328



77.1750, 88.4372, 45.8034



79.2185, 88.4372, 177.0496

Square

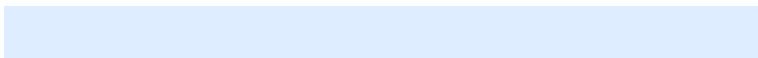
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1750, 88.4372, 45.8034



63.8126, 88.4372, 118.0221



91.3362, 88.4372, 174.5914



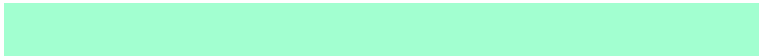
108.1852, 88.4372, 77.4095

Rectangle

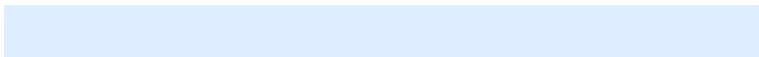
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1750, 88.4372, 45.8034



64.3360, 88.4372, 73.2208



91.3362, 88.4372, 174.5914



107.4448, 88.4372, 123.7648

Sweetspot

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



77.1772, 88.4412, 45.8053



90.6234, 98.2022, 86.8154



57.2706, 47.5832, 38.9681



19.2898, 20.9757, 18.0493



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

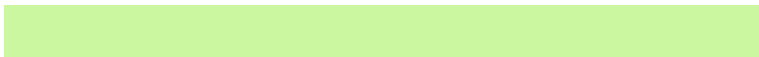
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1772, 88.4412, 45.8053



81.2243, 94.3642, 40.8629



63.7531, 81.5208, 45.1770



17.8751, 19.2932, 17.5794



36.8599, 45.1148, 6.7653



3.2513, 3.9712, 0.5951

Inverse Universe

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



43.8877, 39.0909, 93.2330



40.4145, 33.8598, 99.0133



54.2193, 44.4170, 93.7165



15.6161, 15.9447, 20.7972



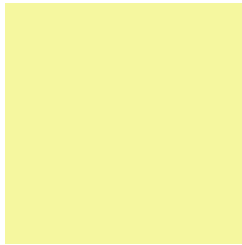
8.9320, 3.5789, 46.7581



0.7971, 0.3208, 4.1101

Previews

White Background



This preview shows how the XYZ color 77.1750, 88.4372, 45.8034 looks on a white background.

Color Contrast Check

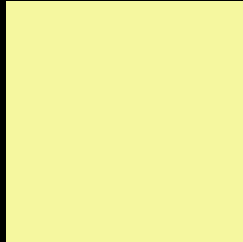
Large Text (above 18pt) WCAG AA × Fail

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 77.1750, 88.4372, 45.8034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

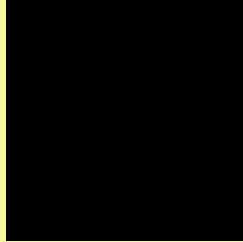
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1750, 88.4372, 45.8034

Background



This preview shows how black text looks on a background with the XYZ color 77.1750, 88.4372, 45.8034.

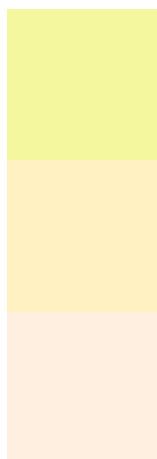


This preview shows how white text looks on a background with the XYZ color 77.1750, 88.4372,

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

77.1750, 88.4372, 45.8034

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

85.5610, 88.3748, 83.0695



Tritanopia

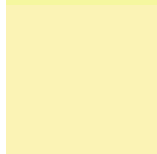
88.9651, 88.3428, 105.2914

Trichromacy



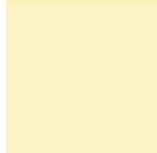
Original Color

77.1750, 88.4372, 45.8034



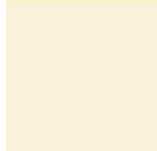
Protanomaly

80.1747, 87.9466, 56.4658



Deuteranomaly

81.9611, 88.1836, 67.3449



Tritanomaly

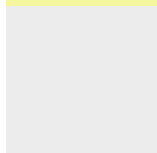
83.7299, 87.9439, 79.5797

Monochromacy



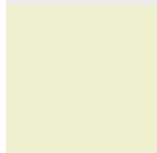
Original Color

77.1750, 88.4372, 45.8034



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.1419, 85.2250, 72.0061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1750, 88.4372, 45.8034 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(245, 247, 159)` looks like.

```
.text, #text, p{  
    color:rgb(245, 247, 159)  
}
```

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(245, 247, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 247, 159) }
```

Border

The CSS property to change the border of an element to XYZ 77.1750, 88.4372, 45.8034 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(245, 247, 159) }
```


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

```
.border{ border-color:rgb(245, 247, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 247, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 247, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 247, 159);  
box-shadow:4px 4px 4px 4px rgb(245, 247,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1750, 88.4372, 45.8034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 247, 159) }
```

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

```
.background{ background-color: rgb(245,  
247, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor