

Converting Colors

XYZ(68.9945, 81.4179, 12.5795)

Have a look what the booklet for
XYZ(68.9945, 81.4179, 12.5795)
contains.

XYZ(68.9661, 81.3632, 12.5600)	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(68.9661, 81.3632,
12.5600)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EF10
RGB	246, 239, 16
RGB Percent	96%, 94%, 6%
CMY	0.0353, 0.0627, 0.9372
CMYK	0.00, 0.03, 0.93, 0.04
HSL	58°, 93%, 51%
HSV	58°, 93%, 96%
XYZ	68.9661, 81.3632, 12.5600
YIQ	215.6710, 75.7550, -67.8690

Conversions

Conversions Part 2

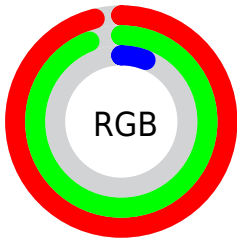
Format	Color
R _Y B	23, 246, 16
Decimal	16183056
CIE Lab	92.29, -17.48, 89.35
CIE LCh	92, 91.048, 101.070
Yxy	81.3632, 0.4234, 0.4995
Android (android.graphics.Color)	4294373136 (0xFF6EF10)
YUV	215.6710, -98.4378, 26.5985
Hunter-Lab	90.2016, -21.3756, 54.8853

Details

The XYZ color **68.9661, 81.3632, 12.5600** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **17.1554, 7.3777, 87.7081**, and the grayscale version is **65.6628, 69.0823, 75.2307**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **36.9411, 44.1813, 6.5808** is the 20% darker color. If you saturate the color by 10%, you get **68.7317, 81.0446, 12.0206**, and if you desaturate by 10%, it is **69.4874, 81.9260, 14.2147**.

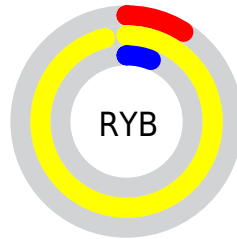
Distribution



Red (96%)

Green (94%)

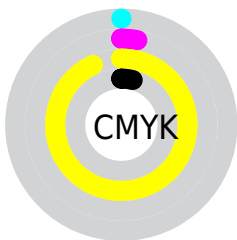
Blue (6%)



Red (9%)

Yellow (96%)

Blue (6%)

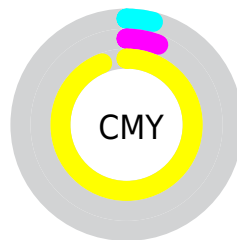


Cyan (0%)

Magenta (3%)

Yellow (93%)

Black (4%)



Cyan (4%)


Magenta (6%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9661, 81.3632, 12.5600 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 68.9661, 81.3632, 12.5600 by changing the saturation by 10% instead.


 68.9661, 81.3632,
12.5600

 68.9661, 81.3632,
12.5600


446.2346,
499.5151, 219.1861


 50.9606, 60.8408,
6.9991


 116.7675,
135.2806, 31.1905

 36.3982, 44.0967,
3.3831


 147.2941,
169.4444, 45.0972


 24.9134, 30.7465,
1.2934


 182.7252,
208.9241, 62.6230

 16.1410, 20.4059,
0.0564

 223.4261,
254.1041, 84.1863

 9.7154, 12.6904,
0.0000

 269.7621,
305.3688, 110.2057

 5.2715, 7.2157,
0.0000

 322.0986,

 2.4438, 3.5974,

363.1026, 141.0998

0.0000

380.8010,
427.6899, 177.2871

■ 0.8670, 1.4510,
0.0000

■ 0.0000, 0.2539,
0.0000

■ 68.9661, 81.3632,
12.5600

■ 68.9661, 81.3632,
12.5600


■ 68.7317, 81.0446,
12.0206

■ 69.4874, 81.9260,
14.2147


■ 70.2747, 82.5935,
17.2737


■ 71.3734, 83.3870,
21.9676


■ 72.8191, 84.3208,
28.4846

 74.6427, 85.4072,
36.9872

 76.8717, 86.6572,
47.6200

 79.5310, 88.0808,
60.5142

 82.6435, 89.6871,
75.7904

 86.2305, 91.4847,
93.5607

Harmonies

Analogous

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



92.9628, 81.3632, 13.8523



68.9661, 81.3632, 12.5600



51.2505, 81.3632, 22.4021

Triad

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



68.9661, 81.3632, 12.5600



47.9878, 81.3632, 203.9248



128.5219, 81.3632, 137.6380

Complementary

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



68.9661, 81.3632, 12.5600



17.1554, 7.3777, 87.7081

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.



111.0356, 81.3632, 226.6207



68.9661, 81.3632, 12.5600



63.5618, 81.3632, 276.4220

Square

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



68.9661, 81.3632, 12.5600



40.8814, 81.3632, 115.8764



86.3512, 81.3632, 286.3578



130.7879, 81.3632, 65.9645

Rectangle

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



68.9661, 81.3632, 12.5600



44.1042, 81.3632, 39.5230



86.3512, 81.3632, 286.3578



124.0847, 81.3632, 167.2366

Sweetspot

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



68.9679, 81.3670, 12.5617



84.9211, 94.8465, 58.9593



38.3532, 20.0287, 2.6919



17.9173, 20.1612, 11.3655



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.



68.9679, 81.3670, 12.5617



74.5761, 87.9322, 13.0420



43.6431, 71.4100, 11.9745



17.8689, 19.2220, 17.5660



36.7065, 43.2985, 6.4228



3.2395, 3.8322, 0.5690

Inverse Universe

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



17.1554, 7.3777, 87.7081



18.1342, 7.3883, 95.0781



25.0382, 11.2617, 88.0423



15.6216, 16.0074, 20.8090



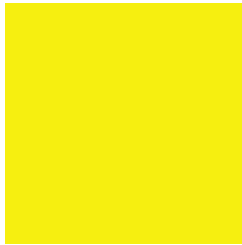
8.9403, 3.6744, 46.7761



0.7997, 0.3509, 4.1158

Previews

White Background



This preview shows how the XYZ color 68.9661, 81.3632, 12.5600 looks on a white background.

Color Contrast Check

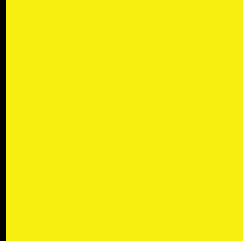
Large Text (above 18pt) WCAG AA × Fail

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 68.9661, 81.3632, 12.5600 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 68.9661, 81.3632, 12.5600

Background



This preview shows how black text looks on a background with the XYZ color 68.9661, 81.3632, 12.5600.



This preview shows how white text looks on a background with the XYZ color 68.9661, 81.3632,

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

68.9661, 81.3632, 12.5600

Protanopia

74.2752, 81.0963, 32.1605

Deuteranopia

78.9969, 81.1937, 62.5473



Tritanopia

83.5978, 81.2835, 92.1721

Trichromacy



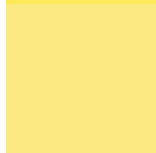
Original Color

68.9661, 81.3632, 12.5600



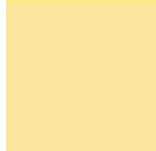
Protanomaly

71.5735, 80.8002, 20.8405



Deuteranomaly

73.2462, 80.5583, 32.4577



Tritanomaly

74.5275, 79.7234, 43.3584

Monochromacy



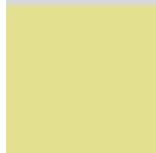
Original Color

68.9661, 81.3632, 12.5600



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.2921, 71.6254, 36.4758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9661, 81.3632, 12.5600 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, 239, 16)` looks like.

```
.text, #text, p{  
    color:rgb(246, 239, 16)  
}
```

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, 239, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 239, 16) }
```

Border

The CSS property to change the border of an element to XYZ 68.9661, 81.3632, 12.5600 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, 239, 16) }
```


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

```
.border{ border-color:rgb(246, 239, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 239, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 239, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 239, 16);  
box-shadow:4px 4px 4px 4px rgb(246, 239,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9661, 81.3632, 12.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 239, 16) }
```

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

```
.background{ background-color: rgb(246,  
239, 16) }
```

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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