

Converting Colors

XYZ(66.6191, 83.8774, 12.6788)

Have a look what the booklet for
XYZ(66.6191, 83.8774, 12.6788)
contains.

XYZ(66.5395, 83.6773, 12.6443)	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(66.5395, 83.6773,
12.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F700
RGB	232, 247, 0
RGB Percent	91%, 97%, 0%
CMY	0.0902, 0.0313, 0.9999
CMYK	0.06, 0.00, 1.00, 0.03
HSL	64°, 100%, 48%
HSV	64°, 100%, 97%
XYZ	66.5395, 83.6773, 12.6443
YIQ	214.3570, 70.3470, -79.9970

Conversions

Conversions Part 2

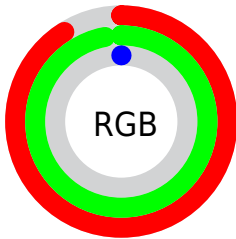
Format	Color
RYB	0, 247, 15
Decimal	15267584
CIELab	93.31, -27.20, 90.89
CIELCh	93, 94.872, 106.659
Yxy	83.6773, 0.4086, 0.5138
Android (android.graphics.Color)	4293457664 (0xFFE8F700)
YUV	214.3570, -105.6780, 15.4729
Hunter-Lab	91.4753, -30.2402, 55.8373

Details

The XYZ color **66.5395, 83.6773, 12.6443** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **16.9876, 6.8185, 88.4216**, and the grayscale version is **64.8192, 68.1949, 74.2642**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **35.4254, 45.9195, 6.9962** is the 20% darker color. If you saturate the color by 10%, you get **66.5405, 83.6807, 12.6449**, and if you desaturate by 10%, it is **67.2032, 84.0024, 13.5770**.

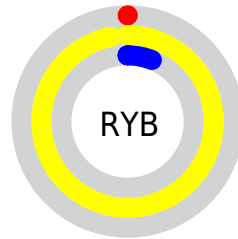
Distribution



Red (91%)

Green (97%)

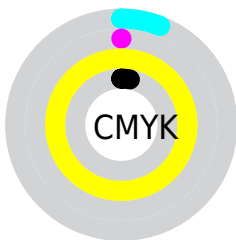
Blue (0%)



Red (0%)

Yellow (97%)

Blue (6%)

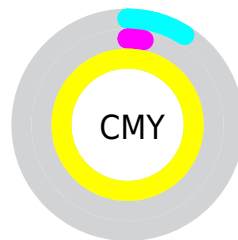


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (9%)

Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5395, 83.6773, 12.6443 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 66.5395, 83.6773, 12.6443 by changing the saturation by 10% instead.

66.5395, 83.6773,
12.6443

66.5395, 83.6773,
12.6443

437.7621,
507.2410, 219.7525

48.9798, 62.7490,
7.0562

113.3138,
138.5237, 31.3450

34.8179, 45.6382,
3.4183

143.2590,
173.2106, 45.2948

23.6885, 31.9604,
1.3120

178.0635,
213.2525, 62.8688

15.2262, 21.3313,
0.0716

218.0927,
259.0338, 84.4857

9.0656, 13.3664,
0.0000

263.7117,
310.9389, 110.5639

4.8415, 7.6813,
0.0000

315.2861,

2.1884, 3.8917,

369.3522, 141.5221

0.0000

373.1811,
434.6581, 177.7788

■ 0.7366, 1.6132,
0.0000

■ 0.0000, 0.3665,
0.0000

■ 66.5395, 83.6773,
12.6443

■ 66.5395, 83.6773,
12.6443

■ 66.5405, 83.6807,
12.6449

■ 67.2032, 84.0024,
13.5770

■ 68.0877, 84.4132,
15.6592

■ 69.2624, 84.9406,
19.2477

■ 70.7680, 85.6008,
24.5568

■ 72.6387, 86.4076,
31.7663

■ 74.9043, 87.3728,
41.0335

■ 77.5916, 88.5071,
52.4992

■ 80.7250, 89.8204,
66.2919

■ 84.3270, 91.3216,
82.5302

Harmonies

Analogous

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



91.1415, 83.6773, 12.0995



66.5395, 83.6773, 12.6443



49.4587, 83.6773, 25.5449

Triad

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



66.5395, 83.6773, 12.6443



50.9059, 83.6773, 232.2865



136.0367, 83.6773, 126.6894

Complementary

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



66.5395, 83.6773, 12.6443



16.9876, 6.8185, 88.4216

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.



119.8407, 83.6773, 221.9296



66.5395, 83.6773, 12.6443



68.9542, 83.6773, 301.2719

Square

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



66.5395, 83.6773, 12.6443



41.8138, 83.6773, 136.5214



94.1161, 83.6773, 296.7179



135.0094, 83.6773, 57.0840

Rectangle

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



66.5395, 83.6773, 12.6443



43.0738, 83.6773, 46.7459



94.1161, 83.6773, 296.7179



132.3024, 83.6773, 157.2198

Sweetspot

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



66.5414, 83.6812, 12.6460



83.3966, 95.1435, 56.3522



38.4964, 20.0478, 1.8417



17.5772, 20.2496, 10.8852



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.



66.5414, 83.6812, 12.6460



71.5274, 89.9588, 13.5939



39.8402, 69.9162, 11.3964



17.8094, 19.2593, 17.5763



35.2335, 44.2764, 6.6892



3.1263, 3.9067, 0.5893

Inverse Universe

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



16.9876, 6.8185, 88.4216



18.2552, 7.3258, 95.0596



26.9221, 11.9399, 88.8865



15.6743, 15.9748, 20.7999



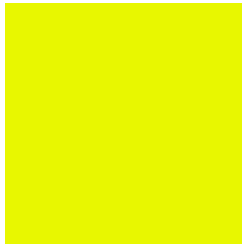
9.0211, 3.6248, 46.7622



0.8250, 0.3351, 4.1114

Previews

White Background



This preview shows how the XYZ color 66.5395, 83.6773, 12.6443 looks on a white background.

Color Contrast Check

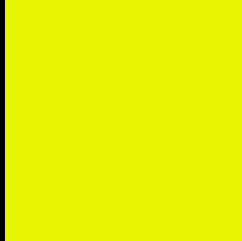
Large Text (above 18pt) WCAG AA × Fail

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 66.5395, 83.6773, 12.6443 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 66.5395, 83.6773, 12.6443

Background



This preview shows how black text looks on a background with the XYZ color 66.5395, 83.6773, 12.6443.

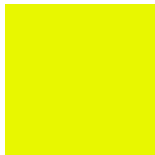


This preview shows how white text looks on a background with the XYZ color 66.5395, 83.6773,

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

66.5395, 83.6773, 12.6443



Protanopia

76.7405, 83.4529, 40.9175



Deuteranopia

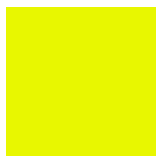
80.8761, 83.2850, 68.3129



Tritanopia

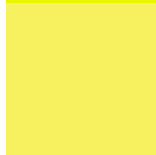
84.3070, 83.5107, 100.4827

Trichromacy



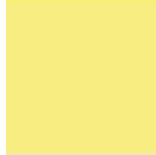
Original Color

66.5395, 83.6773, 12.6443



Protanomaly

71.5834, 82.9206, 23.0589



Deuteranomaly

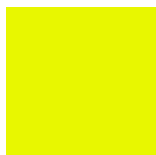
72.6044, 81.9275, 32.7558



Tritanomaly

73.1292, 81.5142, 44.2273

Monochromacy



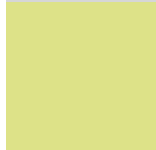
Original Color

66.5395, 83.6773, 12.6443



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.4591, 71.5424, 33.8624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5395, 83.6773, 12.6443 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(232, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 247, 0)  
}
```

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(232, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 66.5395, 83.6773, 12.6443 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(232, 247, 0) }
```


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

```
.border{ border-color:rgb(232, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5395, 83.6773, 12.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 247, 0) }
```

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

```
.background{ background-color: rgb(232,  
247, 0) }
```

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