

Converting Colors

XYZ(65.4705, 79.8769, 11.9671)

Have a look what the booklet for
XYZ(65.4705, 79.8769, 11.9671)
contains.

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Color

**XYZ(65.4210, 79.9823,
11.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF000
RGB	235, 240, 0
RGB Percent	92%, 94%, 0%
CMY	0.0784, 0.0588, 0.9999
CMYK	0.02, 0.00, 1.00, 0.06
HSL	61°, 100%, 47%
HSV	61°, 100%, 94%
XYZ	65.4210, 79.9823, 11.9901
YIQ	211.1450, 74.0600, -75.7000

Conversions

Conversions Part 2

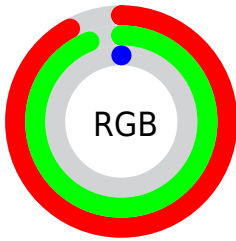
Format	Color
RYB	0, 240, 5
Decimal	15462400
CIELab	91.68, -22.66, 89.79
CIELCh	92, 92.602, 104.164
Yxy	79.9823, 0.4157, 0.5082
Android (android.graphics.Color)	4293652480 (0xFFEBF000)
YUV	211.1450, -104.0945, 20.9208
Hunter-Lab	89.4328, -25.9329, 54.6541

Details

The XYZ color **65.4210, 79.9823, 11.9901** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **15.7927, 6.3250, 82.8315**, and the grayscale version is **62.6500, 65.9126, 71.7789**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **34.5960, 43.2797, 6.5304** is the 20% darker color. If you saturate the color by 10%, you get **65.4224, 79.9858, 11.9907**, and if you desaturate by 10%, it is **65.7535, 80.1374, 12.8687**.

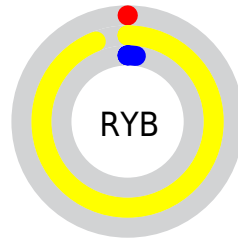
Distribution



Red (92%)

Green (94%)

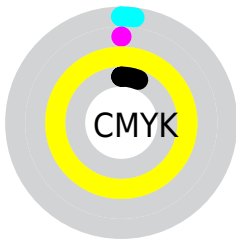
Blue (0%)



Red (0%)

Yellow (94%)

Blue (2%)

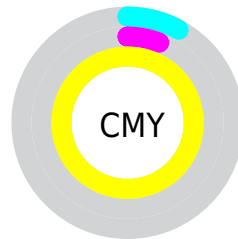


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (8%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4210, 79.9823, 11.9901 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 65.4210, 79.9823, 11.9901 by changing the saturation by 10% instead.


 65.4210, 79.9823,
11.9901


 65.4210, 79.9823,
11.9901


433.8247,
494.8732, 215.3153

 48.0685, 59.7038,
6.6145


 111.7173,
133.3408, 30.1412


 34.0926, 43.1799,
3.1474


 141.3917,
167.1897, 43.7538


 23.1280, 30.0263,
1.1704


 175.9042,
206.3307, 60.9491

 14.8093, 19.8586,
0.0000

 215.6201,
251.1484, 82.1456

 8.7711, 12.2923,
0.0000

 260.9047,
302.0271, 107.7620

 4.6481, 6.9431,
0.0000

 312.1235,

 2.0749, 3.4265,

359.3512, 138.2167

0.0000

369.6417,
423.5051, 173.9283

■ 0.6755, 1.3582,
0.0000

■ 0.0000, 0.1856,
0.0000

■ 65.4210, 79.9823,
11.9901

■ 65.4210, 79.9823,
11.9901

■ 65.4224, 79.9858,
11.9907

■ 65.7535, 80.1374,
12.8687

■ 66.2885, 80.3706,
14.8197

■ 67.0917, 80.7112,
18.1801

■ 68.2009, 81.1741,
23.1493

69.6478, 81.7722,
29.8946

71.4603, 82.5166,
38.5625

73.6632, 83.4172,
49.2843

76.2794, 84.4832,
62.1797

79.3299, 85.7230,
77.3592

Harmonies

Analogous

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



89.1261, 79.9823, 12.2544



65.4210, 79.9823, 11.9901



48.5209, 79.9823, 23.0642

Triad

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



65.4210, 79.9823, 11.9901



47.8283, 79.9823, 213.0890



128.7371, 79.9823, 127.7086

Complementary

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



65.4210, 79.9823, 11.9901



15.7927, 6.3250, 82.8315

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.



112.3345, 79.9823, 218.0086



65.4210, 79.9823, 11.9901



64.2675, 79.9823, 282.2432

Square

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



65.4210, 79.9823, 11.9901



39.8859, 79.9823, 123.0262



87.7078, 79.9823, 284.4040



129.2259, 79.9823, 58.9325

Rectangle

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



65.4210, 79.9823, 11.9901



41.9803, 79.9823, 41.7461



87.7078, 79.9823, 284.4040



124.7703, 79.9823, 157.1183

Sweetspot

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



65.4228, 79.9860, 11.9917



84.5013, 95.7130, 56.4039



35.9814, 18.6141, 1.6975



17.8463, 20.3883, 10.8978



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.



65.4228, 79.9860, 11.9917



75.0694, 91.7847, 13.7597



38.3675, 66.0385, 10.7256



17.0884, 18.4412, 16.8086



35.8261, 43.7906, 6.5642



2.9907, 3.6483, 0.5466

Inverse Universe

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



15.7927, 6.3250, 82.8315



18.1166, 7.2543, 95.0531



24.0447, 10.5791, 83.2177



14.9277, 15.2445, 19.8773



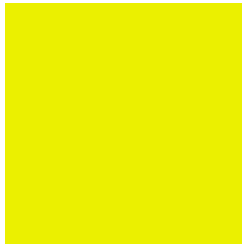
8.6578, 3.4687, 45.3411



0.7309, 0.2941, 3.7725

Previews

White Background



This preview shows how the XYZ color 65.4210, 79.9823, 11.9901 looks on a white background.

Color Contrast Check

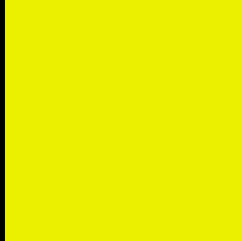
Large Text (above 18pt) WCAG AA × Fail

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 65.4210, 79.9823, 11.9901 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 65.4210, 79.9823, 11.9901

Background



This preview shows how black text looks on a background with the XYZ color 65.4210, 79.9823, 11.9901.

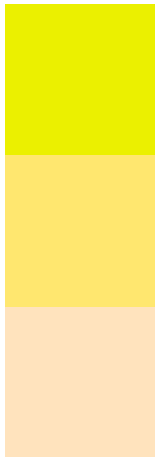


This preview shows how white text looks on a background with the XYZ color 65.4210, 79.9823,

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

65.4210, 79.9823, 11.9901

Protanopia

72.6852, 79.5595, 26.5645

Deuteranopia

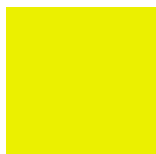
77.8944, 79.8723, 59.4555



Tritanopia

82.0485, 79.6355, 94.2658

Trichromacy



Original Color

65.4210, 79.9823, 11.9901



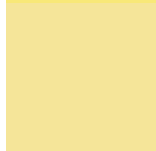
Protanomaly

69.2715, 79.2570, 17.6084



Deuteranomaly

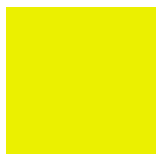
70.9582, 79.0258, 29.2829



Tritanomaly

71.4253, 77.7510, 41.3799

Monochromacy



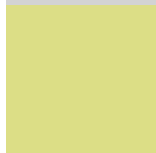
Original Color

65.4210, 79.9823, 11.9901



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.9396, 69.1794, 32.7481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4210, 79.9823, 11.9901 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, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 240, 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(235, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 240, 0) }
```

Border

The CSS property to change the border of an element to XYZ 65.4210, 79.9823, 11.9901 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, 240, 0) }
```


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

```
.border{ border-color:rgb(235, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 240,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4210, 79.9823, 11.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 240, 0) }
```

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

```
.background{ background-color: rgb(235,  
240, 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](#).

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