

Converting Colors

XYZ(65.8665, 79.3348, 12.0379)

Have a look what the booklet for
XYZ(65.8665, 79.3348, 12.0379)
contains.

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Color

**XYZ(65.8728, 79.3416,
12.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEE07
RGB	238, 238, 7
RGB Percent	93%, 93%, 3%
CMY	0.0667, 0.0666, 0.9724
CMYK	0.00, 0.00, 0.97, 0.07
HSL	60°, 94%, 48%
HSV	60°, 97%, 93%
XYZ	65.8728, 79.3416, 12.0436
YIQ	211.6660, 74.1510, -71.8410

Conversions

Conversions Part 2

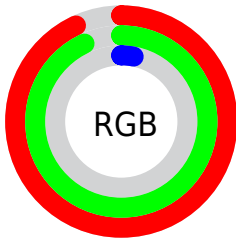
Format	Color
R _Y B	7, 238, 7
Decimal	15658503
CIE Lab	91.39, -20.40, 89.15
CIE LCh	91, 91.452, 102.891
Yxy	79.3416, 0.4189, 0.5045
Android (android.graphics.Color)	4293848583 (0xFFEEEE07)
YUV	211.6660, -100.9003, 23.0949
Hunter-Lab	89.0739, -23.8733, 54.3352

Details

The XYZ color **65.8728, 79.3416, 12.0436** 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 **15.5981, 6.3716, 81.3017**, and the grayscale version is **62.9762, 66.2559, 72.1527**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **34.8594, 42.8030, 6.4245** is the 20% darker color. If you saturate the color by 10%, you get **65.8360, 79.3299, 11.8423**, and if you desaturate by 10%, it is **66.0815, 79.4281, 13.1332**.

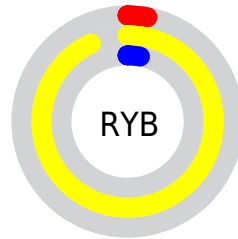
Distribution



Red (93%)

Green (93%)

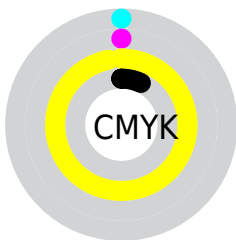
Blue (3%)



Red (3%)

Yellow (93%)

Blue (3%)

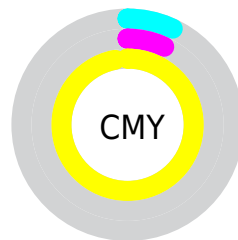


Cyan (0%)

Magenta (0%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (7%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8728, 79.3416, 12.0436 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 65.8728, 79.3416, 12.0436 by changing the saturation by 10% instead.


 65.8728, 79.3416,
12.0436


 65.8728, 79.3416,
12.0436


435.4176,
492.7112, 215.6819

 48.4365, 59.1767,
6.6505


 112.3625,
132.4397, 30.2401


 34.3854, 42.7554,
3.1694


 142.1466,
166.1416, 43.8805


 23.3541, 29.6932,
1.1818


 176.7773,
205.1247, 61.1071

 14.9773, 19.6059,
0.0000

 216.6200,
249.7734, 82.3385

 8.8897, 12.1089,
0.0000

 262.0400,
300.4719, 107.9931

 4.7258, 6.8179,
0.0000

 313.4027,

 2.1204, 3.3485,

357.6048, 138.4895

0.0000

371.0735,
421.5565, 174.2462

■ 0.7003, 1.3162,
0.0000

■ 0.0000, 0.1537,
0.0000

■ 65.8728, 79.3416,
12.0436

■ 65.8728, 79.3416,
12.0436

■ 65.8360, 79.3299,
11.8423

■ 66.0815, 79.4281,
13.1332

■ 66.5175, 79.6025,
15.4278

■ 67.2277, 79.8866,
19.1664

■ 68.2471, 80.2945,
24.5335

■ 69.6057, 80.8379,
31.6861

■ 71.3296, 81.5275,
40.7629

■ 73.4427, 82.3728,
51.8888

■ 75.9666, 83.3824,
65.1784

■ 78.9216, 84.5644,
80.7376

Harmonies

Analogous

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



89.3404, 79.3416, 12.7111



65.8728, 79.3416, 12.0436



48.8975, 79.3416, 22.4479

Triad

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



65.8728, 79.3416, 12.0436



47.1756, 79.3416, 206.0862



126.7061, 79.3416, 129.7859

Complementary

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



65.8728, 79.3416, 12.0436



15.5981, 6.3716, 81.3017

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.



110.1076, 79.3416, 218.2097



65.8728, 79.3416, 12.0436



63.0118, 79.3416, 275.5805

Square

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



65.8728, 79.3416, 12.0436



39.6934, 79.3416, 118.2116



85.8299, 79.3416, 280.8981



127.9132, 79.3416, 60.8617

Rectangle

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



65.8728, 79.3416, 12.0436



42.2115, 79.3416, 40.2014



85.8299, 79.3416, 280.8981



122.6067, 79.3416, 158.8359

Sweetspot

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



65.8746, 79.3453, 12.0452



85.3447, 96.1178, 57.7974



35.3770, 18.3464, 1.8786



18.0375, 20.4812, 11.1609



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.



65.8746, 79.3453, 12.0452



76.9970, 92.7784, 13.8499



38.7149, 65.3440, 10.7742



17.1229, 18.4590, 16.8102



36.7276, 44.2553, 6.6064



3.0554, 3.6816, 0.5496

Inverse Universe

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



15.5981, 6.3716, 81.3017



18.0501, 7.2201, 95.0500



23.6099, 10.5018, 81.6767



14.8974, 15.2288, 19.8759



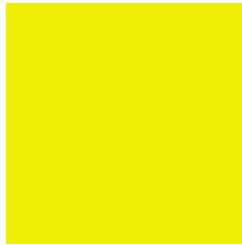
8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 65.8728, 79.3416, 12.0436 looks on a white background.

Color Contrast Check

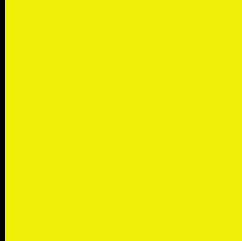
Large Text (above 18pt) WCAG AA × Fail

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 65.8728, 79.3416, 12.0436 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 65.8728, 79.3416, 12.0436

Background



This preview shows how black text looks on a background with the XYZ color 65.8728, 79.3416, 12.0436.



This preview shows how white text looks on a background with the XYZ color 65.8728, 79.3416,

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

65.8728, 79.3416, 12.0436

Protanopia

72.2142, 79.3711, 24.0844

Deuteranopia

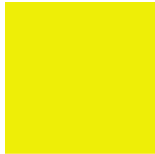
77.2993, 79.1979, 57.6670



Tritanopia

82.3095, 79.0157, 92.5747

Trichromacy



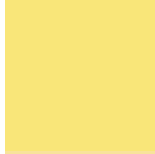
Original Color

65.8728, 79.3416, 12.0436



Protanomaly

69.5029, 79.3906, 16.9709



Deuteranomaly

70.8149, 78.1138, 29.4343



Tritanomaly

72.0969, 77.2612, 42.1233

Monochromacy



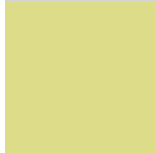
Original Color

65.8728, 79.3416, 12.0436



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.1906, 68.8912, 33.7919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8728, 79.3416, 12.0436 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(238, 238, 7)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 7)  
}
```

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(238, 238, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 7) }
```

Border

The CSS property to change the border of an element to XYZ 65.8728, 79.3416, 12.0436 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(238, 238, 7) }
```


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

```
.border{ border-color:rgb(238, 238, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 7);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8728, 79.3416, 12.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 7) }
```

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

```
.background{ background-color: rgb(238,  
238, 7) }
```

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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