

Converting Colors

XYZ(65.3564, 80.8279, 12.1567)

Have a look what the booklet for
XYZ(65.3564, 80.8279, 12.1567)
contains.

XYZ(65.3564, 80.8279, 12.1567)	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(65.3564, 80.8279,
12.1567)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F200
RGB	233, 242, 0
RGB Percent	91%, 95%, 0%
CMY	0.0863, 0.0510, 0.9999
CMYK	0.04, 0.00, 1.00, 0.05
HSL	62°, 100%, 47%
HSV	62°, 100%, 95%
XYZ	65.3564, 80.8279, 12.1567
YIQ	211.7210, 72.3180, -77.1700

Conversions

Conversions Part 2

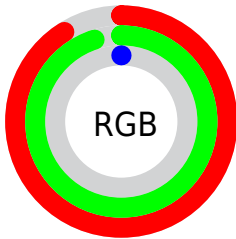
Format	Color
RYB	0, 242, 9
Decimal	15331840
CIELab	92.06, -24.43, 90.00
CIELCh	92, 93.255, 105.190
Yxy	80.8279, 0.4128, 0.5105
Android (android.graphics.Color)	4293521920 (0xFFE9F200)
YUV	211.7210, -104.3785, 18.6617
Hunter-Lab	89.9043, -27.5711, 54.9160

Details

The XYZ color **65.3564, 80.8279, 12.1567** 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 **16.1416, 6.4703, 84.4076**, and the grayscale version is **63.0363, 66.3191, 72.2215**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **34.5722, 43.8885, 6.6492** is the 20% darker color. If you saturate the color by 10%, you get **65.3576, 80.8314, 12.1573**, and if you desaturate by 10%, it is **65.8202, 81.0505, 13.0523**.

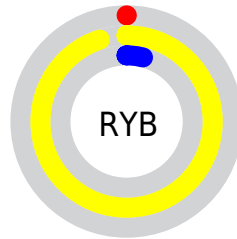
Distribution



Red (91%)

Green (95%)

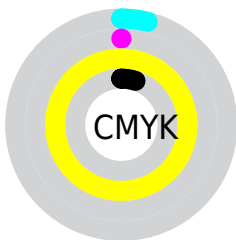
Blue (0%)



Red (0%)

Yellow (95%)

Blue (4%)

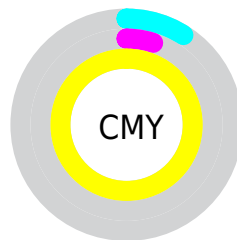


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (9%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3564, 80.8279, 12.1567 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 65.3564, 80.8279, 12.1567 by changing the saturation by 10% instead.


 65.3564, 80.8279,
12.1567


 65.3564, 80.8279,
12.1567


433.5966,
497.7185, 216.4545

 48.0159, 60.3999,
6.7267


 111.6250,
134.5291, 30.4488

 34.0508, 43.7410,
3.2159


 141.2837,
168.5710, 44.1480


 23.0957, 30.4670,
1.2059


 175.7793,
207.9198, 61.4406


 14.7853, 20.1933,
0.0000

 215.4770,
252.9596, 82.7453

 8.7541, 12.5356,
0.0000

 260.7423,
304.0750, 108.4804

 4.6370, 7.1096,
0.0000

 311.9404,

 2.0684, 3.5307,

361.6504, 139.0647

0.0000

369.4367,
426.0701, 174.9165

■ 0.6720, 1.4147,
0.0000

■ 0.0000, 0.2275,
0.0000

■ 65.3564, 80.8279,
12.1567

■ 65.3564, 80.8279,
12.1567

■ 65.3576, 80.8314,
12.1573

■ 65.8202, 81.0505,
13.0523

■ 66.4918, 81.3534,
15.0421

■ 67.4378, 81.7662,
18.4687

■ 68.6967, 82.3043,
23.5355

70.3010, 82.9808,
30.4134

72.2792, 83.8070,
39.2520

74.6566, 84.7931,
50.1852

77.4566, 85.9484,
63.3352

80.7004, 87.2814,
78.8148

Harmonies

Analogous

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



89.2341, 80.8279, 12.0961



65.3564, 80.8279, 12.1567



48.5163, 80.8279, 23.8612

Triad

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



65.3564, 80.8279, 12.1567



48.6759, 80.8279, 219.0058



130.6308, 80.8279, 126.2961

Complementary

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



65.3564, 80.8279, 12.1567



16.1416, 6.4703, 84.4076

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.



114.4335, 80.8279, 217.8690



65.3564, 80.8279, 12.1567



65.6223, 80.8279, 287.5820

Square

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



65.3564, 80.8279, 12.1567



40.3415, 80.8279, 127.3770



89.5613, 80.8279, 287.0824



130.5179, 80.8279, 57.7224

Rectangle

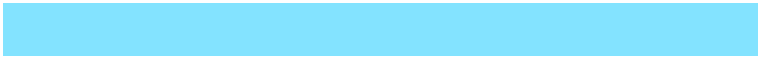
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.3564, 80.8279, 12.1567



42.0889, 80.8279, 43.3849



89.5613, 80.8279, 287.0824



126.7856, 80.8279, 155.9263

Sweetspot

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



65.3582, 80.8317, 12.1584



84.0463, 95.4784, 56.3826



36.7083, 19.0543, 1.7441



17.7354, 20.3311, 10.8926



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.



65.3582, 80.8317, 12.1584



73.5936, 91.0239, 13.6906



38.5586, 67.0159, 10.9042



17.0613, 18.4273, 16.8073



35.1356, 43.4346, 6.5319



2.9410, 3.6226, 0.5442

Inverse Universe

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



16.1416, 6.4703, 84.4076



18.1688, 7.2813, 95.0556



25.0948, 11.0859, 84.8266



14.9517, 15.2568, 19.8784



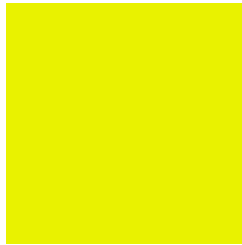
8.6954, 3.4880, 45.3428



0.7424, 0.3000, 3.7730

Previews

White Background



This preview shows how the XYZ color 65.3564, 80.8279, 12.1567 looks on a white background.

Color Contrast Check

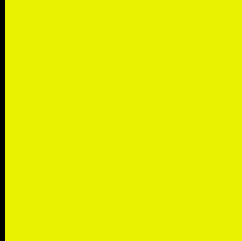
Large Text (above 18pt) WCAG AA × Fail

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 65.3564, 80.8279, 12.1567 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 65.3564, 80.8279, 12.1567

Background



This preview shows how black text looks on a background with the XYZ color 65.3564, 80.8279, 12.1567.



This preview shows how white text looks on a background with the XYZ color 65.3564, 80.8279,

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

65.3564, 80.8279, 12.1567

Protanopia

73.5478, 80.3537, 29.7226

Deuteranopia

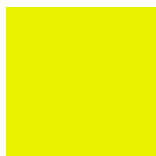
78.4978, 80.5526, 61.2801



Tritanopia

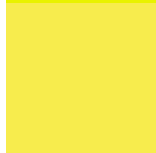
82.5272, 80.6455, 96.0105

Trichromacy



Original Color

65.3564, 80.8279, 12.1567



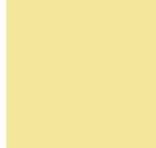
Protanomaly

69.6928, 80.3009, 18.8476



Deuteranomaly

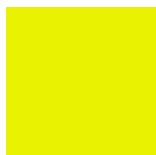
71.0095, 79.4571, 30.0065



Tritanomaly

71.8005, 78.7515, 42.4266

Monochromacy



Original Color

65.3564, 80.8279, 12.1567



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.2761, 69.7403, 33.2060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3564, 80.8279, 12.1567 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(233, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 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(233, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 65.3564, 80.8279, 12.1567 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(233, 242, 0) }
```


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

```
.border{ border-color:rgb(233, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3564, 80.8279, 12.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 0) }
```

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

```
.background{ background-color: rgb(233,  
242, 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