

Converting Colors

XYZ(68.6415, 82.6383, 12.7975)

Have a look what the booklet for
XYZ(68.6415, 82.6383, 12.7975)
contains.

XYZ(68.4563, 82.4160, 12.7518)	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(68.4563, 82.4160,
12.7518)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F20F
RGB	242, 242, 15
RGB Percent	95%, 95%, 6%
CMY	0.0510, 0.0510, 0.9411
CMYK	0.00, 0.00, 0.94, 0.05
HSL	60°, 90%, 50%
HSV	60°, 94%, 95%
XYZ	68.4563, 82.4160, 12.7518
YIQ	216.1220, 72.8670, -70.5970

Conversions

Conversions Part 2

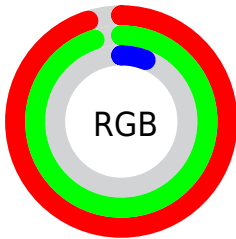
Format	Color
R _Y B	15, 242, 15
Decimal	15921679
CIE Lab	92.76, -20.60, 89.66
CIE LCh	93, 91.998, 102.937
Yxy	82.4160, 0.4184, 0.5037
Android (android.graphics.Color)	4294111759 (0xFFFF2F20F)
YUV	216.1220, -99.1531, 22.6950
Hunter-Lab	90.7833, -24.2704, 55.2202

Details

The XYZ color **68.4563, 82.4160, 12.7518** 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 **16.3968, 6.8555, 84.4687**, and the grayscale version is **65.9777, 69.4137, 75.5915**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **36.6150, 44.9416, 6.7448** is the 20% darker color. If you saturate the color by 10%, you get **68.3716, 82.3852, 12.2984**, and if you desaturate by 10%, it is **68.7420, 82.5334, 14.2468**.

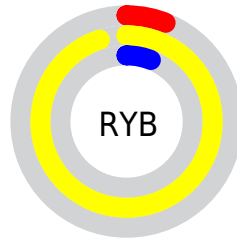
Distribution



Red (95%)

Green (95%)

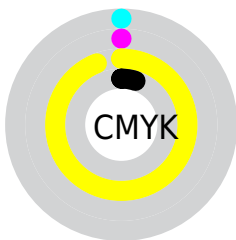
Blue (6%)



Red (6%)

Yellow (95%)

Blue (6%)

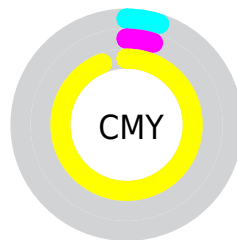


Cyan (0%)

Magenta (0%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (5%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4563, 82.4160, 12.7518 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 68.4563, 82.4160, 12.7518 by changing the saturation by 10% instead.


 68.4563, 82.4160,
12.7518

 68.4563, 82.4160,
12.7518


444.4624,
503.0381, 220.4725


 50.5441, 61.7085,
7.1291


 116.0430,
136.7572, 31.5418


 36.0655, 44.7972,
3.4633


 146.4482,
171.1597, 45.5462


 24.6551, 31.2977,
1.3358


 181.7484,
210.8960, 63.1816

 15.9476, 20.8257,
0.0909

 222.3090,
256.3505, 84.8665

 9.5777, 12.9966,
0.0000

 268.4954,
307.9076, 111.0195

 5.1800, 7.4262,
0.0000

 320.6728,

 2.3891, 3.7301,

365.9516, 142.0592

0.0000

379.2067,
430.8670, 178.4040

■ 0.8397, 1.5237,
0.0000

■ 0.0000, 0.3053,
0.0000

■ 68.4563, 82.4160,
12.7518

■ 68.4563, 82.4160,
12.7518

■ 68.3716, 82.3852,
12.2984

■ 68.7420, 82.5334,
14.2468

■ 69.2815, 82.7493,
17.0865

■ 70.1187, 83.0842,
21.4936

■ 71.2881, 83.5519,
27.6497

■ 72.8193, 84.1645,
35.7116

■ 74.7389, 84.9323,
45.8187

■ 77.0708, 85.8652,
58.0971

■ 79.8372, 86.9717,
72.6632

■ 83.0585, 88.2603,
89.6248

Harmonies

Analogous

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



92.6607, 82.4160, 13.4340



68.4563, 82.4160, 12.7518



50.9311, 82.4160, 23.6140

Triad

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



68.4563, 82.4160, 12.7518



49.1889, 82.4160, 213.1262



131.2108, 82.4160, 134.3404

Complementary

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



68.4563, 82.4160, 12.7518



16.3968, 6.8555, 84.4687

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.



114.1360, 82.4160, 225.3241



68.4563, 82.4160, 12.7518



65.5657, 82.4160, 284.4823

Square

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



68.4563, 82.4160, 12.7518



41.4350, 82.4160, 122.6725



89.1188, 82.4160, 289.8279



132.4269, 82.4160, 63.2969

Rectangle

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



68.4563, 82.4160, 12.7518



44.0244, 82.4160, 42.0597



89.1188, 82.4160, 289.8279



126.9977, 82.4160, 164.2423

Sweetspot

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



68.4582, 82.4199, 12.7535



85.6090, 96.2235, 59.1888



36.8779, 19.2554, 2.2260



18.0871, 20.5011, 11.4222



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.



68.4582, 82.4199, 12.7535



76.9969, 92.7784, 13.8499



40.8206, 68.1722, 11.4601



17.1229, 18.4590, 16.8102



36.7275, 44.2553, 6.6064



3.0554, 3.6816, 0.5496

Inverse Universe

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



16.3968, 6.8555, 84.4687



18.0501, 7.2201, 95.0500



25.1793, 11.3831, 84.8797



14.8974, 15.2288, 19.8759



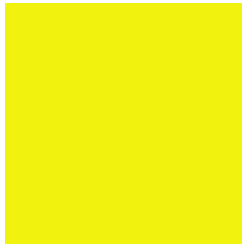
8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 68.4563, 82.4160, 12.7518 looks on a white background.

Color Contrast Check

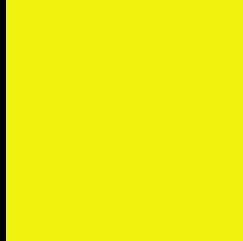
Large Text (above 18pt) WCAG AA × Fail

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 68.4563, 82.4160, 12.7518 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 68.4563, 82.4160, 12.7518

Background



This preview shows how black text looks on a background with the XYZ color 68.4563, 82.4160, 12.7518.

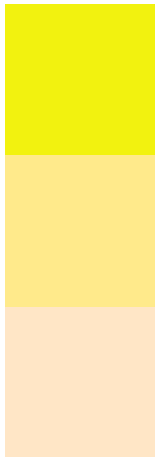


This preview shows how white text looks on a background with the XYZ color 68.4563, 82.4160,

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

68.4563, 82.4160, 12.7518

Protanopia

75.3230, 81.9697, 36.2779

Deuteranopia

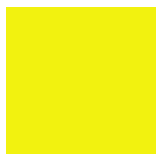
79.7299, 81.9308, 65.0381



Tritanopia

84.3135, 82.0036, 94.6036

Trichromacy



Original Color

68.4563, 82.4160, 12.7518



Protanomaly

71.7289, 81.7005, 22.5789



Deuteranomaly

72.9439, 80.8083, 33.2257



Tritanomaly

74.5390, 80.5404, 44.4181

Monochromacy



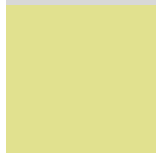
Original Color

68.4563, 82.4160, 12.7518



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.9345, 71.8411, 36.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4563, 82.4160, 12.7518 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(242, 242, 15)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 15)  
}
```

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(242, 242, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 15) }
```

Border

The CSS property to change the border of an element to XYZ 68.4563, 82.4160, 12.7518 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(242, 242, 15) }
```


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

```
.border{ border-color:rgb(242, 242, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 15);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4563, 82.4160, 12.7518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 15) }
```

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

```
.background{ background-color: rgb(242,  
242, 15) }
```

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