

Converting Colors

XYZ(34.5134, 58.0939, 10.5344)

Have a look what the booklet for
XYZ(34.5134, 58.0939, 10.5344)
contains.

XYZ(34.4884, 58.1263, 10.5642)	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(34.4884, 58.1263,
10.5642)**

Conversions

Conversions Part 1

Format	Color
Hex	73E21D
RGB	115, 226, 29
RGB Percent	45%, 89%, 11%
CMY	0.5490, 0.1137, 0.8862
CMYK	0.49, 0.00, 0.87, 0.11
HSL	94°, 77%, 50%
HSV	94°, 87%, 89%
XYZ	34.4884, 58.1263, 10.5642
YIQ	170.3530, -2.9190, -84.7990

Conversions

Conversions Part 2

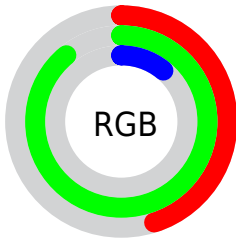
Format	Color
R_{YB}	29, 226, 140
Decimal	7594525
CIE _{Lab}	80.81, -60.65, 75.01
CIE _{LCh}	81, 96.464, 128.958
Yxy	58.1263, 0.3343, 0.5634
Android (android.graphics.Color)	4285784605 (0xFF73E21D)
YUV	170.3530, -69.6870, -48.5446
Hunter-Lab	76.2406, -52.6743, 45.1530

Details

The XYZ color **34.4884, 58.1263, 10.5642** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **24.9861, 11.9477, 72.9440**, and the grayscale version is **38.7253, 40.7421, 44.3681**.

A 20% lighter version of the original color is **55.8222, 81.6132, 24.1200**, and **15.5470, 29.3538, 4.8464** is the 20% darker color. If you saturate the color by 10%, you get **32.7422, 57.2495, 9.5087**, and if you desaturate by 10%, it is **36.6711, 59.2084, 12.6990**.

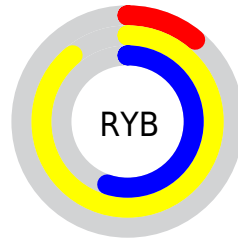
Distribution



Red (45%)

Green (89%)

Blue (11%)



Red (11%)

Yellow (89%)

Blue (55%)

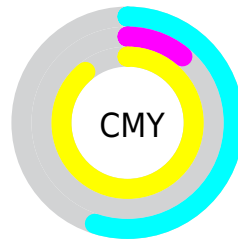


Cyan (49%)

Magenta (0%)

Yellow (87%)

Black (11%)



Cyan (55%)


Magenta (11%)


Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4884, 58.1263, 10.5642 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 34.4884, 58.1263, 10.5642 by changing the saturation by 10% instead.


 34.4884, 58.1263,
10.5642


 34.4884, 58.1263,
10.5642


313.8521,
417.6564, 205.2817

 23.4337, 41.9102,
5.6641


 66.0317, 102.1068,
27.4757


 15.0365, 29.0310,
2.5765


 87.2511, 130.6399,
40.3241


 8.9315, 19.1043,
0.8803


 112.5893,
164.0475, 56.6592

 4.7533, 11.7456,
0.0000

 142.4119,
202.7140, 76.8993

 2.1365, 6.5707,
0.0000

 177.0841,
247.0237, 101.4631

 0.7089, 3.1951,
0.0000

 216.9713,

 0.0000, 1.2344,

297.3611, 130.7691

0.0000

262.4388,
354.1105, 165.2358

■ 0.0000, 0.0896,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4884, 58.1263,
10.5642

■ 34.4884, 58.1263,
10.5642

■ 32.7422, 57.2495,
9.5087

■ 36.6711, 59.2084,
12.6990

■ 32.3051, 57.0282,
9.3049

■ 39.3356, 60.5089,
16.1228

■ 42.5225, 62.0472,
20.9993

■ 46.2660, 63.8378,
27.4674

■ 50.5971, 65.8939,
35.6496

■ 55.5440, 68.2278,
45.6564

■ 61.1328, 70.8506,
57.5891

■ 67.3883, 73.7730,
71.5415

■ 74.3334, 77.0051,
87.6013

Harmonies

Analogous

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



49.4931, 58.1263, 5.0010



34.4884, 58.1263, 10.5642



26.6477, 58.1263, 31.5010

Triad

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



34.4884, 58.1263, 10.5642



42.6007, 58.1263, 230.8792



102.3955, 58.1263, 47.6940

Complementary

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



34.4884, 58.1263, 10.5642



24.9861, 11.9477, 72.9440

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.



99.2781, 58.1263, 111.4290



34.4884, 58.1263, 10.5642



61.4310, 58.1263, 245.3379

Square

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



34.4884, 58.1263, 10.5642



30.4883, 58.1263, 160.3922



83.0095, 58.1263, 192.7078



90.7179, 58.1263, 16.3295

Rectangle

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



34.4884, 58.1263, 10.5642



25.1108, 58.1263, 61.3160



83.0095, 58.1263, 192.7078



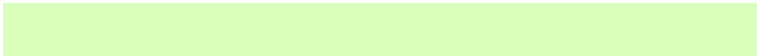
103.0928, 58.1263, 65.3053

Sweetspot

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



34.4897, 58.1288, 10.5655



73.7186, 90.0311, 61.4659



40.5841, 34.2518, 5.6355



15.2670, 19.0294, 12.0955



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.



34.4897, 58.1288, 10.5655



42.3542, 74.9194, 12.2286



28.0686, 54.8022, 11.0061



14.0936, 15.6284, 14.5806



18.5601, 32.6006, 5.3143



1.3879, 2.3120, 0.3731

Inverse Universe

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



24.9861, 11.9477, 72.9440



29.4981, 13.1217, 95.5858



44.2199, 22.0148, 66.9895



13.6874, 13.6224, 17.2957



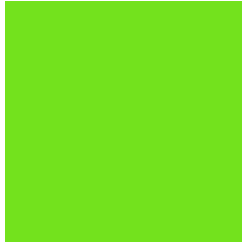
12.9933, 5.7936, 41.4818



1.0029, 0.4543, 2.8801

Previews

White Background



This preview shows how the XYZ color 34.4884, 58.1263, 10.5642 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 34.4884, 58.1263, 10.5642 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

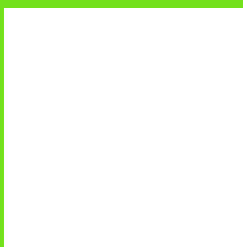
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4884, 58.1263, 10.5642

Background



This preview shows how black text looks on a background with the XYZ color 34.4884, 58.1263, 10.5642.



This preview shows how white text looks on a background with the XYZ color 34.4884, 58.1263,

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

34.4884, 58.1263, 10.5642

Protanopia

51.8319, 57.3666, 9.0029

Deuteranopia

58.2645, 56.9762, 11.2948



Tritanopia

48.4133, 57.5685, 81.2332

Trichromacy



Original Color

34.4884, 58.1263, 10.5642



Protanomaly

42.9627, 55.9771, 9.3509



Deuteranomaly

45.6625, 54.8404, 10.5615



Tritanomaly

40.1451, 56.4648, 39.7933

Monochromacy



Original Color

34.4884, 58.1263, 10.5642



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.3209, 44.6429, 24.2608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4884, 58.1263, 10.5642 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(115, 226, 29)` looks like.

```
.text, #text, p{  
    color:rgb(115, 226, 29)  
}
```

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(115, 226, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 226, 29) }
```

Border

The CSS property to change the border of an element to XYZ 34.4884, 58.1263, 10.5642 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(115, 226, 29) }
```


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

```
.border{ border-color:rgb(115, 226, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 226, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 226, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 226, 29);  
box-shadow:4px 4px 4px 4px rgb(115, 226,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4884, 58.1263, 10.5642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 226, 29) }
```

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

```
.background{ background-color: rgb(115,  
226, 29) }
```

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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