

Converting Colors

XYZ(34.3633, 58.7953, 10.0293)

Have a look what the booklet for
XYZ(34.3633, 58.7953, 10.0293)
contains.

XYZ(34.3925, 58.9037, 10.0471)	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(34.3925, 58.9037,
10.0471)**

Conversions

Conversions Part 1

Format	Color
Hex	6FE410
RGB	111, 228, 16
RGB Percent	44%, 89%, 6%
CMY	0.5647, 0.1059, 0.9372
CMYK	0.51, 0.00, 0.93, 0.11
HSL	93°, 87%, 48%
HSV	93°, 93%, 89%
XYZ	34.3925, 58.9037, 10.0471
YIQ	168.8490, -1.6800, -90.7360

Conversions

Conversions Part 2

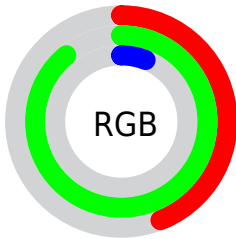
Format	Color
RYB	16, 228, 133
Decimal	7332880
CIELab	81.24, -62.84, 77.28
CIELCh	81, 99.599, 129.116
Yxy	58.9037, 0.3328, 0.5700
Android (android.graphics.Color)	4285522960 (0xFF6FE410)
YUV	168.8490, -75.3546, -50.7336
Hunter-Lab	76.7487, -54.3212, 45.9625

Details

The XYZ color **34.3925, 58.9037, 10.0471** 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 **23.8670, 10.9617, 74.2599**, and the grayscale version is **38.0016, 39.9806, 43.5389**.

A 20% lighter version of the original color is **54.9253, 81.1769, 22.8991**, and **15.3996, 29.5572, 4.8935** is the 20% darker color. If you saturate the color by 10%, you get **33.2418, 58.3232, 9.5055**, and if you desaturate by 10%, it is **36.3602, 59.8888, 11.5474**.

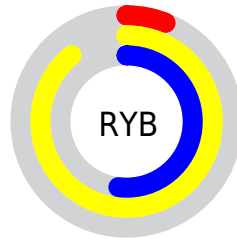
Distribution



Red (44%)

Green (89%)

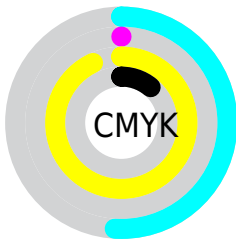
Blue (6%)



Red (6%)

Yellow (89%)

Blue (52%)

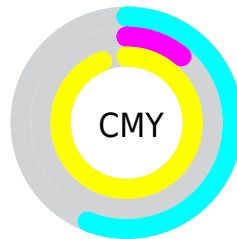


Cyan (51%)

Magenta (0%)

Yellow (93%)

Black (11%)



Cyan (56%)


Magenta (11%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3925, 58.9037, 10.0471 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 34.3925, 58.9037, 10.0471 by changing the saturation by 10% instead.


 34.3925, 58.9037,
10.0471


 34.3925, 58.9037,
10.0471


313.4339,
420.5449, 201.5049


 23.3596, 42.5356,
5.3242


 65.8838, 103.2377,
26.4933


 14.9814, 29.5209,
2.3767


 87.0730, 131.9724,
39.0536

 8.8926, 19.4752,
0.7737


 112.3782,
165.5980, 55.0634

 4.7277, 12.0142,
0.0000

 142.1650,
204.4991, 74.9414

 2.1215, 6.7533,
0.0000

 176.7985,
249.0599, 99.1060

 0.7009, 3.3083,
0.0000

 216.6443,

 0.0000, 1.2947,

299.6649, 127.9757

0.0000

262.0676,
356.6984, 161.9692

■ 0.0000, 0.1371,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3925, 58.9037,
10.0471

■ 34.3925, 58.9037,
10.0471

■ 33.2418, 58.3232,
9.5055

■ 36.3602, 59.8888,
11.5474

■ 38.7847, 61.0814,
14.2492

■ 41.7112, 62.5025,
18.3406

■ 45.1767, 64.1679,
23.9765

■ 49.2142, 66.0916,
31.2909

■ 53.8535, 68.2863,
40.4036

■ 59.1222, 70.7640,
51.4232

■ 65.0457, 73.5355,
64.4497

■ 71.6482, 76.6112,
79.5762

Harmonies

Analogous

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



49.8981, 58.9037, 4.5321



34.3925, 58.9037, 10.0471



26.3626, 58.9037, 31.4085

Triad

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



34.3925, 58.9037, 10.0471



42.9294, 58.9037, 241.1751



105.3636, 58.9037, 47.6781

Complementary

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



34.3925, 58.9037, 10.0471



23.8670, 10.9617, 74.2599

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.



102.1678, 58.9037, 114.1229



34.3925, 58.9037, 10.0471



62.5503, 58.9037, 256.1434

Square

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



34.3925, 58.9037, 10.0471



30.3779, 58.9037, 166.6541



85.1298, 58.9037, 199.9815



93.0133, 58.9037, 15.6737

Rectangle

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



34.3925, 58.9037, 10.0471



24.8100, 58.9037, 62.3878



85.1298, 58.9037, 199.9815



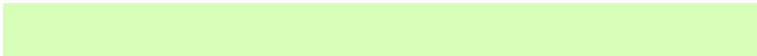
106.1266, 58.9037, 65.9168

Sweetspot

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



34.3939, 58.9062, 10.0484



72.5679, 89.5006, 58.5785



40.4246, 33.2014, 4.7690



14.9197, 18.8682, 11.2739



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.



34.3939, 58.9062, 10.0484



42.7322, 75.1143, 12.2463



28.1522, 55.6770, 10.2771



14.7994, 16.4036, 15.2907



19.3263, 33.7446, 5.4948



1.5338, 2.5480, 0.4110

Inverse Universe

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



23.8670, 10.9617, 74.2599



28.9918, 12.8607, 95.5621



44.7591, 21.8968, 67.7898



14.3396, 14.2773, 18.1443



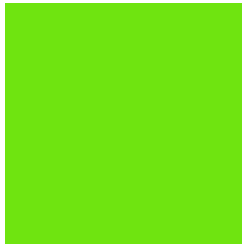
13.1799, 5.8604, 42.8197



1.0805, 0.4880, 3.1692

Previews

White Background



This preview shows how the XYZ color 34.3925, 58.9037, 10.0471 looks on a white background.

Color Contrast Check

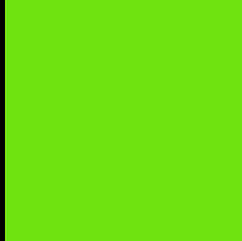
Large Text (above 18pt) WCAG AA × Fail

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 34.3925, 58.9037, 10.0471 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 34.3925, 58.9037, 10.0471

Background



This preview shows how black text looks on a background with the XYZ color 34.3925, 58.9037, 10.0471.



This preview shows how white text looks on a background with the XYZ color 34.3925, 58.9037,

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

34.3925, 58.9037, 10.0471

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

59.1127, 57.7441, 10.9359



Tritanopia

48.8417, 58.4949, 82.8452

Trichromacy



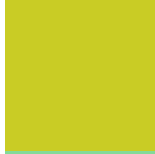
Original Color

34.3925, 58.9037, 10.0471



Protanomaly

43.0943, 56.7920, 8.8629



Deuteranomaly

46.0142, 55.7368, 10.0833



Tritanomaly

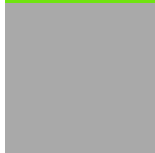
40.0990, 57.2351, 38.6398

Monochromacy



Original Color

34.3925, 58.9037, 10.0471



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.6068, 44.3151, 22.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3925, 58.9037, 10.0471 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(111, 228, 16)` looks like.

```
.text, #text, p{  
    color:rgb(111, 228, 16)  
}
```

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(111, 228, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 228, 16) }
```

Border

The CSS property to change the border of an element to XYZ 34.3925, 58.9037, 10.0471 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(111, 228, 16) }
```


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

```
.border{ border-color:rgb(111, 228, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 228, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 228, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 228, 16);  
box-shadow:4px 4px 4px 4px rgb(111, 228,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3925, 58.9037, 10.0471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 228, 16) }
```

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

```
.background{ background-color: rgb(111,  
228, 16) }
```

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