

Converting Colors

XYZ(34.7040, 59.0570, 10.6068)

Have a look what the booklet for
XYZ(34.7040, 59.0570, 10.6068)
contains.

XYZ(34.7513, 59.0766, 10.6083)	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(34.7513, 59.0766,
10.6083)**

Conversions

Conversions Part 1

Format	Color
Hex	71E41B
RGB	113, 228, 27
RGB Percent	44%, 89%, 11%
CMY	0.5569, 0.1059, 0.8941
CMYK	0.50, 0.00, 0.88, 0.11
HSL	94°, 79%, 50%
HSV	94°, 88%, 89%
XYZ	34.7513, 59.0766, 10.6083
YIQ	170.7010, -4.0190, -86.8910

Conversions

Conversions Part 2

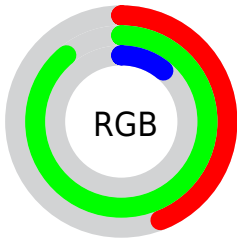
Format	Color
R _Y B	27, 228, 142
Decimal	7463963
CIE Lab	81.33, -62.01, 75.79
CIE LCh	81, 97.924, 129.290
Yxy	59.0766, 0.3328, 0.5657
Android (android.graphics.Color)	4285654043 (0xFF71E41B)
YUV	170.7010, -70.8446, -50.6038
Hunter-Lab	76.8613, -53.8021, 45.6198

Details

The XYZ color **34.7513, 59.0766, 10.6083** 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 **25.5552, 12.1388, 74.3981**, and the grayscale version is **38.9064, 40.9326, 44.5756**.

A 20% lighter version of the original color is **55.3269, 81.3632, 23.8550**, and **15.5592, 29.6394, 4.9009** is the 20% darker color. If you saturate the color by 10%, you get **33.0181, 58.2051, 9.6155**, and if you desaturate by 10%, it is **36.9274, 60.1571, 12.6620**.

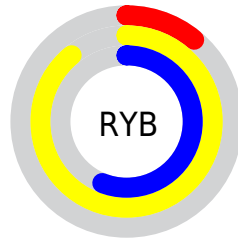
Distribution



Red (44%)

Green (89%)

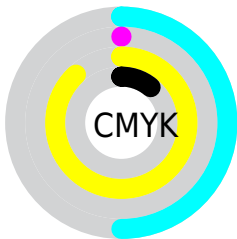
Blue (11%)



Red (11%)

Yellow (89%)

Blue (56%)

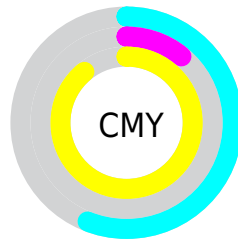


Cyan (50%)

Magenta (0%)

Yellow (88%)

Black (11%)



Cyan (56%)


Magenta (11%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7513, 59.0766, 10.6083 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 34.7513, 59.0766, 10.6083 by changing the saturation by 10% instead.


 34.7513, 59.0766,
10.6083


 34.7513, 59.0766,
10.6083


314.9965,
421.1857, 205.6002


 23.6370, 42.6748,
5.6933


 66.4369, 103.4890,
27.5590


 15.1878, 29.6300,
2.5937

 87.7388, 132.2683,
40.4318


 9.0385, 19.5579,
0.8892


 113.1674,
165.9423, 56.7942

 4.8236, 12.0741,
0.0000

 143.0879,
204.8954, 77.0649

 2.1778, 6.7942,
0.0000

 177.8657,
249.5118, 101.6622

 0.7310, 3.3337,
0.0000

 217.8662,

 0.0000, 1.3083,

300.1761, 131.0049

0.0000

263.4547,
357.2726, 165.5114

■ 0.0000, 0.1476,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7513, 59.0766,
10.6083

■ 34.7513, 59.0766,
10.6083

■ 33.0181, 58.2051,
9.6155

■ 36.9274, 60.1571,
12.6620

■ 32.7323, 58.0605,
9.4816

■ 39.5974, 61.4621,
16.0132

■ 42.8040, 63.0118,
20.8325

■ 46.5831, 64.8216,
27.2639

■ 50.9668, 66.9052,
35.4339

■ 55.9847, 69.2754,
45.4566

■ 61.6641, 71.9439,
57.4363

■ 68.0305, 74.9219,
71.4696

■ 75.1081, 78.2198,
87.6467

Harmonies

Analogous

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



50.0393, 59.0766, 4.9079



34.7513, 59.0766, 10.6083



26.8184, 59.0766, 32.1562

Triad

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



34.7513, 59.0766, 10.6083



43.3627, 59.0766, 237.5993



104.5765, 59.0766, 47.8046

Complementary

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



34.7513, 59.0766, 10.6083



25.5552, 12.1388, 74.3981

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.



101.5414, 59.0766, 112.9262



34.7513, 59.0766, 10.6083



62.7401, 59.0766, 251.7268

Square

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



34.7513, 59.0766, 10.6083



30.8868, 59.0766, 165.2240



84.9099, 59.0766, 196.7546



92.4082, 59.0766, 16.1215

Rectangle

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



34.7513, 59.0766, 10.6083



25.2977, 59.0766, 62.9400



84.9099, 59.0766, 196.7546



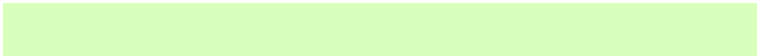
105.3546, 59.0766, 65.7289

Sweetspot

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



34.7527, 59.0791, 10.6096



73.5470, 89.9426, 61.4579



41.7058, 35.5969, 5.7106



15.2266, 19.0086, 12.0936



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.



34.7527, 59.0791, 10.6096



42.0779, 74.7770, 12.2157



28.5871, 55.8785, 11.3236



14.7710, 16.3890, 15.2893



19.0295, 33.5916, 5.4809



1.5107, 2.5362, 0.4099

Inverse Universe

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



25.5552, 12.1388, 74.3981



29.8879, 13.3227, 95.6040



44.6036, 22.1653, 65.9517



14.3684, 14.2922, 18.1457



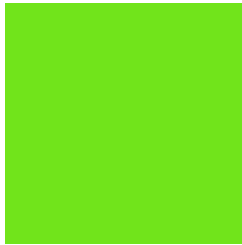
13.5811, 6.0672, 42.8385



1.1094, 0.5029, 3.1706

Previews

White Background



This preview shows how the XYZ color 34.7513, 59.0766, 10.6083 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 34.7513, 59.0766, 10.6083 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 34.7513, 59.0766, 10.6083

Background



This preview shows how black text looks on a background with the XYZ color 34.7513, 59.0766, 10.6083.



This preview shows how white text looks on a background with the XYZ color 34.7513, 59.0766,

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

34.7513, 59.0766, 10.6083

Protanopia

52.3519, 57.9825, 8.9628

Deuteranopia

59.2009, 57.7794, 11.4005



Tritanopia

49.1879, 58.6734, 82.8614

Trichromacy



Original Color

34.7513, 59.0766, 10.6083



Protanomaly

43.4372, 56.9570, 9.4139



Deuteranomaly

46.1349, 55.7851, 10.7189



Tritanomaly

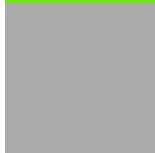
40.7450, 57.5297, 40.4093

Monochromacy



Original Color

34.7513, 59.0766, 10.6083



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.7571, 45.5152, 24.4062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7513, 59.0766, 10.6083 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(113, 228, 27)` looks like.

```
.text, #text, p{  
    color:rgb(113, 228, 27)  
}
```

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(113, 228, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 228, 27) }
```

Border

The CSS property to change the border of an element to XYZ 34.7513, 59.0766, 10.6083 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(113, 228, 27) }
```


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

```
.border{ border-color:rgb(113, 228, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 228, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 228, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 228, 27);  
box-shadow:4px 4px 4px 4px rgb(113, 228,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7513, 59.0766, 10.6083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 228, 27) }
```

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

```
.background{ background-color: rgb(113,  
228, 27) }
```

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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