

Converting Colors

XYZ(50.2659, 66.6803, 10.8108)

Have a look what the booklet for
XYZ(50.2659, 66.6803, 10.8108)
contains.

XYZ(50.3432, 66.7176, 10.7967)	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(50.3432, 66.7176,
10.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E312
RGB	196, 227, 18
RGB Percent	77%, 89%, 7%
CMY	0.2314, 0.1098, 0.9293
CMYK	0.14, 0.00, 0.92, 0.11
HSL	69°, 85%, 48%
HSV	69°, 92%, 89%
XYZ	50.3432, 66.7176, 10.7967
YIQ	193.9050, 48.6130, -71.5710

Conversions

Conversions Part 2

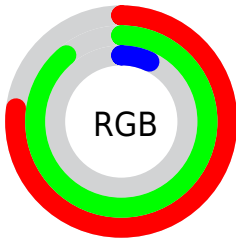
Format	Color
RYB	18, 227, 49
Decimal	12903186
CIELab	85.36, -32.35, 82.19
CIElCh	85, 88.328, 111.486
Yxy	66.7176, 0.3937, 0.5218
Android (android.graphics.Color)	4291093266 (0xFFC4E312)
YUV	193.9050, -86.7212, 1.8373
Hunter-Lab	81.6808, -32.9247, 49.3395

Details

The XYZ color **50.3432, 66.7176, 10.7967** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **15.3505, 6.6333, 73.1484**, and the grayscale version is **51.7018, 54.3943, 59.2354**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **25.0691, 34.8234, 5.4003** is the 20% darker color. If you saturate the color by 10%, you get **49.5460, 66.3215, 10.1900**, and if you desaturate by 10%, it is **51.5168, 67.2918, 12.3458**.

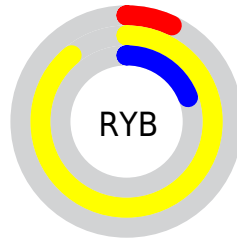
Distribution



Red (77%)

Green (89%)

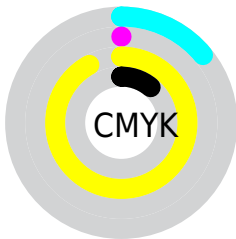
Blue (7%)



Red (7%)

Yellow (89%)

Blue (19%)

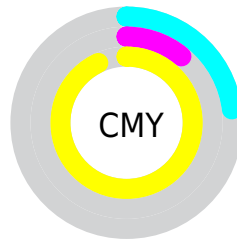


Cyan (14%)

Magenta (0%)

Yellow (92%)

Black (11%)



Cyan (23%)


Magenta (11%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3432, 66.7176, 10.7967 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 50.3432, 66.7176, 10.7967 by changing the saturation by 10% instead.


 50.3432, 66.7176,
10.7967


 50.3432, 66.7176,
10.7967


378.4364,
448.9389, 206.9545

 35.9051, 48.8552,
5.8179


 89.8720, 114.5157,
27.9145


 24.5307, 34.5046,
2.6676


 115.6933,
145.2201, 40.8905


 15.8546, 23.2815,
0.9271


 146.0398,
180.9740, 57.3694

 9.5115, 14.8015,
0.0000

 181.2767,
222.1617, 77.7695

 5.1361, 8.6802,
0.0000

 221.7695,
269.1676, 102.5096

 2.3629, 4.5332,
0.0000

 267.8835,

 0.8266, 1.9761,

322.3762, 132.0081

0.0000

319.9840,
382.1719, 166.6836

■ 0.0000, 0.5935,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.3432, 66.7176,
10.7967

■ 50.3432, 66.7176,
10.7967

■ 49.5460, 66.3215,
10.1900

■ 51.5168, 67.2918,
12.3458

■ 52.9362, 67.9642,
15.0931

■ 54.6376, 68.7517,
19.2207

■ 56.6495, 69.6657,
24.8793

■ 58.9969, 70.7163,
32.1995

■ 61.7023, 71.9123,
41.2984

■ 64.7858, 73.2620,
52.2822

■ 68.2662, 74.7729,
65.2490

■ 72.1610, 76.4518,
80.2900

Harmonies

Analogous

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



69.2791, 66.7176, 9.0884



50.3432, 66.7176, 10.7967



37.8287, 66.7176, 23.3770

Triad

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



50.3432, 66.7176, 10.7967



42.3521, 66.7176, 197.4084



109.5619, 66.7176, 90.2017

Complementary

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



50.3432, 66.7176, 10.7967



15.3505, 6.6333, 73.1484

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.



98.5185, 66.7176, 165.0854



50.3432, 66.7176, 10.7967



57.8879, 66.7176, 245.1026

Square

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



50.3432, 66.7176, 10.7967



33.9355, 66.7176, 120.9189



78.5693, 66.7176, 230.8969



106.3554, 66.7176, 39.3072

Rectangle

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



50.3432, 66.7176, 10.7967



33.4877, 66.7176, 42.9815



78.5693, 66.7176, 230.8969



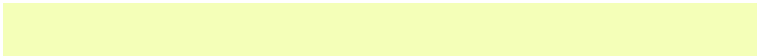
107.3216, 66.7176, 113.5331

Sweetspot

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



50.3447, 66.7206, 10.7981



81.8193, 94.2699, 59.0114



32.7622, 18.3206, 2.3826



17.1550, 20.0206, 11.3785



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.



50.3447, 66.7206, 10.7981



64.4248, 86.2972, 13.2615



32.2629, 57.3991, 9.9519



15.3804, 16.7032, 15.3179



28.9720, 38.7171, 5.9462



2.1984, 2.8907, 0.4421

Inverse Universe

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



15.3505, 6.6333, 73.1484



18.8432, 7.6289, 95.0871



26.7299, 12.4996, 73.6810



13.7808, 13.9892, 18.1182



8.5246, 3.4605, 42.6018



0.6923, 0.2878, 3.1510

Previews

White Background



This preview shows how the XYZ color 50.3432, 66.7176, 10.7967 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 50.3432, 66.7176, 10.7967 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 50.3432, 66.7176, 10.7967

Background



This preview shows how black text looks on a background with the XYZ color 50.3432, 66.7176, 10.7967.



This preview shows how white text looks on a background with the XYZ color 50.3432, 66.7176,

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

50.3432, 66.7176, 10.7967

Protanopia

59.7787, 66.1335, 9.8728

Deuteranopia

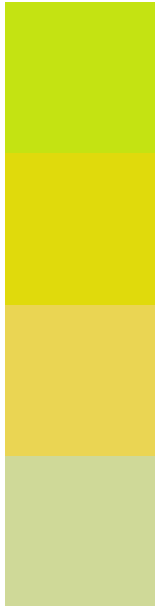
66.4615, 66.2787, 27.0595



Tritanopia

64.7384, 66.3361, 82.7909

Trichromacy



Original Color

50.3432, 66.7176, 10.7967

Protanomaly

55.8782, 66.0166, 10.1452

Deuteranomaly

59.2873, 65.7055, 17.7413

Tritanomaly

56.2125, 65.1581, 39.3198

Monochromacy



Original Color

50.3432, 66.7176, 10.7967

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

48.6062, 57.3564, 29.6282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3432, 66.7176, 10.7967 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(196, 227, 18)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 18)  
}
```

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(196, 227, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 18) }
```

Border

The CSS property to change the border of an element to XYZ 50.3432, 66.7176, 10.7967 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(196, 227, 18) }
```


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

```
.border{ border-color:rgb(196, 227, 18) }
```

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

Here you see how a box with a 4 pixel rgb(196, 227, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 18);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3432, 66.7176, 10.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 18) }
```

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

```
.background{ background-color: rgb(196,  
227, 18) }
```

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