

Converting Colors

XYZ(54.3247, 71.6830, 10.9730)

Have a look what the booklet for
XYZ(54.3247, 71.6830, 10.9730)
contains.

XYZ(54.3247, 71.6830, 10.9730)	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(54.3247, 71.6830,
10.9730)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEA00
RGB	204, 234, 0
RGB Percent	80%, 92%, 0%
CMY	0.2000, 0.0823, 0.9999
CMYK	0.13, 0.00, 1.00, 0.08
HSL	68°, 100%, 46%
HSV	68°, 100%, 92%
XYZ	54.3247, 71.6830, 10.9730
YIQ	198.3540, 57.2340, -79.1340

Conversions

Conversions Part 2

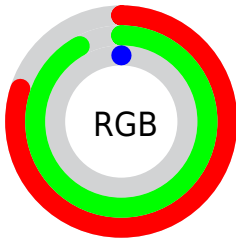
Format	Color
RYB	0, 234, 30
Decimal	13429248
CIELab	87.82, -32.54, 85.92
CIELCh	88, 91.875, 110.741
Yxy	71.6830, 0.3966, 0.5233
Android (android.graphics.Color)	4291619328 (0xFFCCEA00)
YUV	198.3540, -97.7885, 4.9515
Hunter-Lab	84.6658, -33.6330, 51.5819

Details

The XYZ color **54.3247, 71.6830, 10.9730** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **15.3891, 6.2182, 78.2354**, and the grayscale version is **54.4488, 57.2844, 62.3827**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **27.5974, 37.8605, 5.8533** is the 20% darker color. If you saturate the color by 10%, you get **54.3250, 71.6856, 10.9735**, and if you desaturate by 10%, it is **55.3158, 72.1780, 11.8499**.

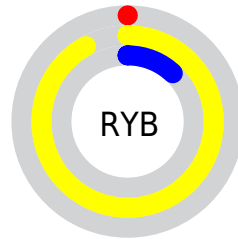
Distribution



Red (80%)

Green (92%)

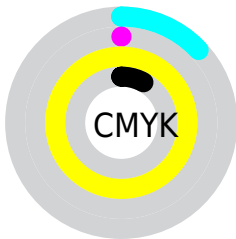
Blue (0%)



Red (0%)

Yellow (92%)

Blue (12%)

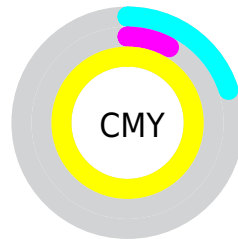


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (20%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.3247, 71.6830, 10.9730 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 54.3247, 71.6830, 10.9730 by changing the saturation by 10% instead.


 54.3247, 71.6830,
10.9730

 54.3247, 71.6830,
10.9730


393.5252,
466.4375, 208.2130


 39.0930, 52.8998,
5.9347


 95.7049, 121.6057,
28.2461

 27.0131, 37.7228,
2.7373


 122.5842,
153.5140, 41.3181


 17.7197, 25.7676,
0.9621


 154.0767,
190.5661, 57.9050

 10.8474, 16.6498,
0.0000

 190.5478,
233.1464, 78.4254

 6.0309, 9.9852,
0.0000

 232.3628,
281.6393, 103.2979

 2.9047, 5.3891,
0.0000

 279.8872,

 1.1036, 2.4773,

336.4292, 132.9409

0.0000

333.4861,
397.9004, 167.7731

■ 0.0281, 0.8653,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.3247, 71.6830,
10.9730

■ 54.3247, 71.6830,
10.9730

■ 54.3250, 71.6856,
10.9735

■ 55.3158, 72.1780,
11.8499

■ 56.5130, 72.7547,
13.7364

■ 57.9787, 73.4406,
16.9530

■ 59.7485, 74.2500,
21.6868

■ 61.8523, 75.1949,
28.0949

■ 64.3163, 76.2858,
36.3150

■ 67.1641, 77.5320,
46.4703

■ 70.4170, 78.9422,
58.6734

■ 74.0950, 80.5244,
73.0283

Harmonies

Analogous

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



75.1101, 71.6830, 9.3748



54.3247, 71.6830, 10.9730



40.5303, 71.6830, 24.0232

Triad

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



54.3247, 71.6830, 10.9730



44.8765, 71.6830, 212.9981



118.5123, 71.6830, 99.0288

Complementary

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



54.3247, 71.6830, 10.9730



15.3891, 6.2182, 78.2354

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.



106.0664, 71.6830, 181.4885



54.3247, 71.6830, 10.9730



61.6011, 71.6830, 266.9155

Square

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



54.3247, 71.6830, 10.9730



35.9396, 71.6830, 128.8215



84.1017, 71.6830, 253.0363



115.3969, 71.6830, 42.7546

Rectangle

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



54.3247, 71.6830, 10.9730



35.6976, 71.6830, 44.7412



84.1017, 71.6830, 253.0363



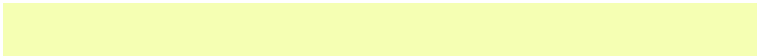
115.9254, 71.6830, 124.7828

Sweetspot

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



54.3263, 71.6863, 10.9745



81.5684, 94.2010, 56.2667



34.3333, 18.2926, 1.7222



17.1333, 20.0208, 10.8644



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.



54.3263, 71.6863, 10.9745



65.9753, 87.0965, 13.3341



33.6142, 61.0088, 10.0052



16.1508, 17.5233, 16.0498



30.6013, 40.3200, 6.1697



2.4560, 3.1935, 0.4870

Inverse Universe

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



15.3891, 6.2182, 78.2354



18.6677, 7.5385, 95.0789



26.4094, 11.8994, 78.7511



14.4107, 14.6415, 18.9888



8.7040, 3.5230, 43.9642



0.7413, 0.3064, 3.4550

Previews

White Background



This preview shows how the XYZ color 54.3247, 71.6830, 10.9730 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 54.3247, 71.6830, 10.9730 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 54.3247, 71.6830, 10.9730

Background



This preview shows how black text looks on a background with the XYZ color 54.3247, 71.6830, 10.9730.



This preview shows how white text looks on a background with the XYZ color 54.3247, 71.6830,

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

54.3247, 71.6830, 10.9730

Protanopia

64.3046, 71.1429, 10.3427

Deuteranopia

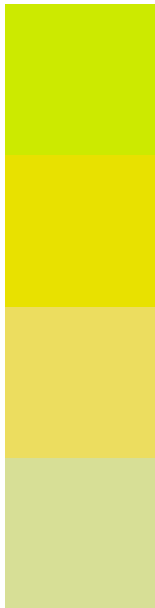
70.5393, 71.0505, 38.8505



Tritanopia

69.9325, 71.1535, 88.6454

Trichromacy



Original Color

54.3247, 71.6830, 10.9730

Protanomaly

60.2039, 71.0062, 10.5325

Deuteranomaly

62.5141, 70.3720, 21.1148

Tritanomaly

59.9170, 69.4244, 39.0965

Monochromacy



Original Color

54.3247, 71.6830, 10.9730

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.8796, 60.3742, 28.7104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.3247, 71.6830, 10.9730 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(204, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 234, 0)  
}
```

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(204, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 234, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.3247, 71.6830, 10.9730 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(204, 234, 0) }
```


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

```
.border{ border-color:rgb(204, 234, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 234, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 234,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.3247, 71.6830, 10.9730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 234, 0) }
```

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

```
.background{ background-color: rgb(204,  
234, 0) }
```

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