

Converting Colors

XYZ(54.7950, 71.0267, 13.6833)

Have a look what the booklet for
XYZ(54.7950, 71.0267, 13.6833)
contains.

XYZ(54.8646, 71.0568, 13.7294)	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(54.8646, 71.0568,
13.7294)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE831
RGB	206, 232, 49
RGB Percent	81%, 91%, 19%
CMY	0.1922, 0.0902, 0.8078
CMYK	0.11, 0.00, 0.79, 0.09
HSL	69°, 80%, 55%
HSV	69°, 79%, 91%
XYZ	54.8646, 71.0568, 13.7294
YIQ	203.3640, 43.2470, -62.4250

Conversions

Conversions Part 2

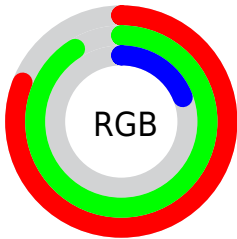
Format	Color
RYB	49, 232, 75
Decimal	13559857
CIELab	87.51, -29.86, 78.18
CIELCh	88, 83.688, 110.904
Yxy	71.0568, 0.3929, 0.5088
Android (android.graphics.Color)	4291749937 (0xFFCEE831)
YUV	203.3640, -76.1015, 2.3118
Hunter-Lab	84.2952, -31.3376, 49.3499

Details

The XYZ color **54.8646, 71.0568, 13.7294** 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 **18.5678, 9.5203, 77.2072**, and the grayscale version is **57.4407, 60.4321, 65.8105**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **27.5580, 37.2537, 5.7382** is the 20% darker color. If you saturate the color by 10%, you get **53.5901, 70.4450, 11.7388**, and if you desaturate by 10%, it is **56.4133, 71.7857, 17.0495**.

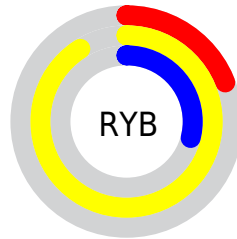
Distribution



Red (81%)

Green (91%)

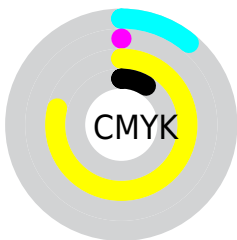
Blue (19%)



Red (19%)

Yellow (91%)

Blue (29%)

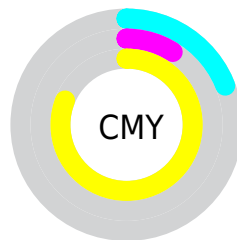


Cyan (11%)

Magenta (0%)

Yellow (79%)

Black (9%)



Cyan (19%)


Magenta (9%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8646, 71.0568, 13.7294 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 54.8646, 71.0568, 13.7294 by changing the saturation by 10% instead.


 54.8646, 71.0568,
13.7294


 54.8646, 71.0568,
13.7294


395.5432,
464.2520, 226.9104


 39.5267, 52.3886,
7.7961


 96.4920, 120.7146,
33.3183


 27.3523, 37.3149,
3.8789


 123.5123,
152.4729, 47.8110


 17.9759, 25.4514,
1.5591


 155.1574,
189.3634, 65.9939

 11.0323, 16.4137,
0.2614

 191.7928,
231.7705, 88.2855

 6.1560, 9.8173,
0.0000

 233.7836,
280.0784, 115.1045

 2.9817, 5.2780,
0.0000

281.4955,

 1.1441, 2.4113,

334.6718, 146.8692

0.0000

335.2935,
395.9348, 183.9984

0.0615, 0.8317,
0.0000

0.0000, 0.0000,
0.0000

54.8646, 71.0568,
13.7294

54.8646, 71.0568,
13.7294

53.5901, 70.4450,
11.7388

56.4133, 71.7857,
17.0495

52.5334, 69.9198,
10.8019

58.2653, 72.6356,
21.8736

52.4206, 69.8633,
10.7221

60.4513, 73.6214,
28.3545

62.9965, 74.7530,
36.6253

■ 65.9238, 76.0398,
46.8054

■ 69.2540, 77.4900,
59.0039

■ 73.0063, 79.1114,
73.3218

■ 77.1988, 80.9112,
89.8532

■ 81.3920, 82.7135,
106.2832

Harmonies

Analogous

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



73.7249, 71.0568, 11.9794



54.8646, 71.0568, 13.7294



42.1282, 71.0568, 27.0287

Triad

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



54.8646, 71.0568, 13.7294



46.2947, 71.0568, 196.3080



112.4421, 71.0568, 95.8811

Complementary

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



54.8646, 71.0568, 13.7294



18.5678, 9.5203, 77.2072

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.



101.5335, 71.0568, 168.3010



54.8646, 71.0568, 13.7294



61.7061, 71.0568, 242.2808

Square

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



54.8646, 71.0568, 13.7294



37.8928, 71.0568, 123.0637



82.0252, 71.0568, 230.0862



109.6233, 71.0568, 44.6691

Rectangle

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



54.8646, 71.0568, 13.7294



37.6143, 71.0568, 46.9455



82.0252, 71.0568, 230.0862



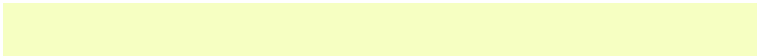
110.1910, 71.0568, 118.7163

Sweetspot

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



54.8662, 71.0600, 13.7309



83.5874, 95.0537, 64.8629



36.2446, 22.1975, 5.2809



17.5828, 20.2109, 12.7648



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.



54.8662, 71.0600, 13.7309



65.5200, 86.8536, 13.6835



36.6296, 61.6587, 12.8774



15.3897, 16.7080, 15.3183



29.1820, 38.8254, 5.9560



2.2119, 2.8977, 0.4427

Inverse Universe

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



18.5678, 9.5203, 77.2072



19.3712, 8.1101, 95.1522



31.1627, 16.0132, 77.7967



13.7724, 13.9849, 18.1178



8.4962, 3.4458, 42.6005



0.6883, 0.2858, 3.1509

Previews

White Background



This preview shows how the XYZ color 54.8646, 71.0568, 13.7294 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 54.8646, 71.0568, 13.7294 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 54.8646, 71.0568, 13.7294

Background



This preview shows how black text looks on a background with the XYZ color 54.8646, 71.0568, 13.7294.



This preview shows how white text looks on a background with the XYZ color 54.8646, 71.0568,

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

54.8646, 71.0568, 13.7294

Protanopia

63.8307, 70.4531, 12.8193

Deuteranopia

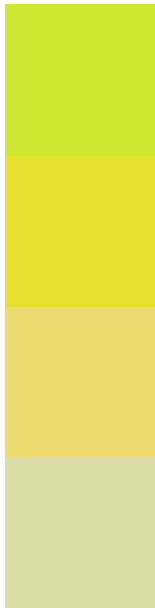
70.1288, 70.4851, 37.9258



Tritanopia

69.6953, 70.6829, 87.0606

Trichromacy



Original Color

54.8646, 71.0568, 13.7294

Protanomaly

60.1237, 70.5055, 13.1294

Deuteranomaly

63.1812, 69.8374, 25.4792

Tritanomaly

61.6195, 69.7474, 46.2913

Monochromacy



Original Color

54.8646, 71.0568, 13.7294

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.2149, 63.0371, 36.9137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8646, 71.0568, 13.7294 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(206, 232, 49)` looks like.

```
.text, #text, p{  
    color:rgb(206, 232, 49)  
}
```

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(206, 232, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 232, 49) }
```

Border

The CSS property to change the border of an element to XYZ 54.8646, 71.0568, 13.7294 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(206, 232, 49) }
```


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

```
.border{ border-color:rgb(206, 232, 49) }
```

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

Here you see how a box with a 4 pixel rgb(206, 232, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 232, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 232, 49);  
box-shadow:4px 4px 4px 4px rgb(206, 232,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8646, 71.0568, 13.7294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 232, 49) }
```

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

```
.background{ background-color: rgb(206,  
232, 49) }
```

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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