

Converting Colors

XYZ(55.4684, 70.3786, 16.2768)

Have a look what the booklet for
XYZ(55.4684, 70.3786, 16.2768)
contains.

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Color

**XYZ(55.6655, 70.5786,
16.3194)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E645
RGB	209, 230, 69
RGB Percent	82%, 90%, 27%
CMY	0.1804, 0.0980, 0.7294
CMYK	0.09, 0.00, 0.70, 0.10
HSL	68°, 76%, 59%
HSV	68°, 70%, 90%
XYZ	55.6655, 70.5786, 16.3194
YIQ	205.3670, 39.1650, -54.5230

Conversions

Conversions Part 2

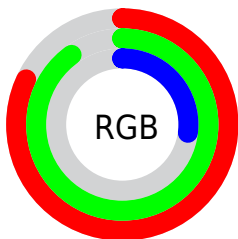
Format	Color
RYB	69, 230, 90
Decimal	13755973
CIELab	87.28, -26.84, 71.83
CIELCh	87, 76.682, 110.490
Yxy	70.5786, 0.3905, 0.4951
Android (android.graphics.Color)	4291946053 (0xFFD1E645)
YUV	205.3670, -67.2289, 3.1861
Hunter-Lab	84.0111, -28.7458, 47.2905

Details

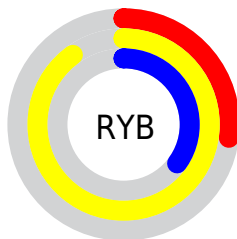
The XYZ color **55.6655, 70.5786, 16.3194** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **20.6299, 12.1447, 76.1240**, and the grayscale version is **58.6616, 61.7166, 67.2093**.

A 20% lighter version of the original color is **80.7659, 94.2864, 33.6809**, and **28.0925, 37.2393, 5.7073** is the 20% darker color. If you saturate the color by 10%, you get **54.2449, 69.9157, 13.2214**, and if you desaturate by 10%, it is **57.3820, 71.3668, 20.8775**.

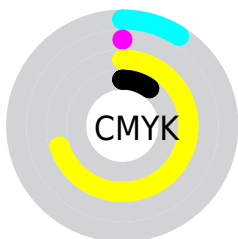
Distribution



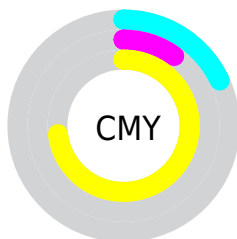
- Red (82%)
- Green (90%)
- Blue (27%)



- Red (27%)
- Yellow (90%)
- Blue (35%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6655, 70.5786, 16.3194 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 55.6655, 70.5786, 16.3194 by changing the saturation by 10% instead.

■ 55.6655, 70.5786,
16.3194

■ 55.6655, 70.5786,
16.3194

398.5252,
462.5790, 243.1288

■ 40.1707, 51.9984,
9.5937

■ 97.6580, 120.0335,
37.9263

■ 27.8565, 37.0038,
5.0283

■ 124.8864,
151.6770, 53.6445

■ 18.3574, 25.2104,
2.2049

■ 156.7568,
188.4437, 73.1973

■ 11.3081, 16.2339,
0.6772

■ 193.6345,
230.7179, 97.0032

■ 6.3433, 9.6898,
0.0000

■ 235.8848,
278.8842, 125.4808

■ 3.0976, 5.1938,
0.0000

283.8731,

■ 1.2056, 2.3614,

333.3269, 159.0486

0.0000

337.9648,
394.4303, 198.1251

■ 0.1108, 0.8059,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6655, 70.5786,
16.3194

■ 55.6655, 70.5786,
16.3194

■ 54.2449, 69.9157,
13.2214

■ 57.3820, 71.3668,
20.8775

■ 53.0811, 69.3549,
11.4000

■ 59.4181, 72.2821,
27.0420

■ 52.1169, 68.8757,
10.5476

■ 61.8006, 73.3378,
34.9460

■ 52.1168, 68.8757,
10.5475

■ 64.5520, 74.5430,
44.7080

67.6929, 75.9059,
56.4357

71.2423, 77.4341,
70.2289

75.2179, 79.1346,
86.1803

79.6364, 81.0142,
104.3773

80.9432, 81.6511,
106.1018

Harmonies

Analogous

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



72.9752, 70.5786, 14.6313



55.6655, 70.5786, 16.3194



43.7347, 70.5786, 29.4092

Triad

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



55.6655, 70.5786, 16.3194



47.3566, 70.5786, 181.7097



107.4093, 70.5786, 94.4468

Complementary

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



55.6655, 70.5786, 16.3194



20.6299, 12.1447, 76.1240

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.



97.5395, 70.5786, 158.8980



55.6655, 70.5786, 16.3194



61.5166, 70.5786, 222.2373

Square

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



55.6655, 70.5786, 16.3194



39.5680, 70.5786, 117.1013



79.9635, 70.5786, 212.4068



105.0770, 70.5786, 47.0716

Rectangle

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



55.6655, 70.5786, 16.3194



39.4257, 70.5786, 48.2308



79.9635, 70.5786, 212.4068



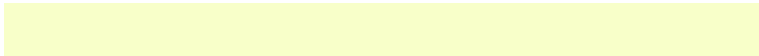
105.3505, 70.5786, 115.0030

Sweetspot

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



55.6671, 70.5818, 16.3209



85.0717, 95.7171, 69.5278



37.1818, 24.1986, 8.3423



17.9655, 20.3820, 13.9633



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.



55.6671, 70.5818, 16.3209



67.8519, 88.0181, 15.4926



38.6899, 61.8298, 15.5264



15.4069, 16.7168, 15.3191



29.5781, 39.0295, 5.9745



2.2375, 2.9108, 0.4439

Inverse Universe

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



20.6299, 12.1447, 76.1240



21.2724, 10.0481, 95.4260



32.6223, 18.3271, 76.6853



13.7568, 13.9768, 18.1171



8.4462, 3.4201, 42.5981



0.6808, 0.2820, 3.1505

Previews

White Background



This preview shows how the XYZ color 55.6655, 70.5786, 16.3194 looks on a white background.

Color Contrast Check

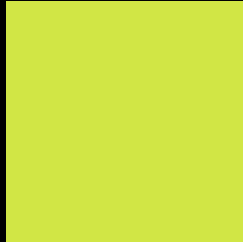
Large Text (above 18pt) WCAG AA × Fail

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 55.6655, 70.5786, 16.3194 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 55.6655, 70.5786, 16.3194

Background



This preview shows how black text looks on a background with the XYZ color 55.6655, 70.5786, 16.3194.



This preview shows how white text looks on a background with the XYZ color 55.6655, 70.5786,

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

55.6655, 70.5786, 16.3194

Protanopia

63.9711, 70.4689, 15.3845

Deuteranopia

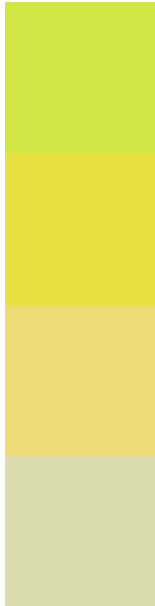
69.8007, 69.9551, 37.4276



Tritanopia

69.9173, 70.4346, 86.2541

Trichromacy



Original Color

55.6655, 70.5786, 16.3194

Protanomaly

60.6795, 70.3364, 15.6883

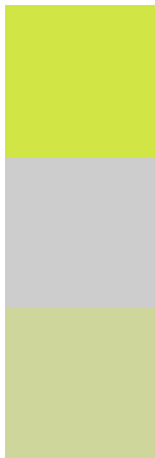
Deuteranomaly

63.6611, 69.6519, 27.5416

Tritanomaly

62.3494, 69.2636, 49.6182

Monochromacy



Original Color

55.6655, 70.5786, 16.3194

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.5009, 63.6152, 40.8062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6655, 70.5786, 16.3194 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(209, 230, 69)` looks like.

```
.text, #text, p{  
    color:rgb(209, 230, 69)  
}
```

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(209, 230, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 230, 69) }
```

Border

The CSS property to change the border of an element to XYZ 55.6655, 70.5786, 16.3194 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(209, 230, 69) }
```


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

```
.border{ border-color:rgb(209, 230, 69) }
```

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

Here you see how a box with a 4 pixel rgb(209, 230, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 230, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 230, 69);  
box-shadow:4px 4px 4px 4px rgb(209, 230,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6655, 70.5786, 16.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 230, 69) }
```

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

```
.background{ background-color: rgb(209,  
230, 69) }
```

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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