

Converting Colors

XYZ(55.6172, 68.9903, 23.4744)

Have a look what the booklet for
XYZ(55.6172, 68.9903, 23.4744)
contains.

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Color

**XYZ(55.6999, 69.2030,
23.5185)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE368
RGB	207, 227, 104
RGB Percent	81%, 89%, 41%
CMY	0.1882, 0.1098, 0.5921
CMYK	0.09, 0.00, 0.54, 0.11
HSL	70°, 69%, 65%
HSV	70°, 54%, 89%
XYZ	55.6999, 69.2030, 23.5185
YIQ	206.9980, 27.5630, -42.4930

Conversions

Conversions Part 2

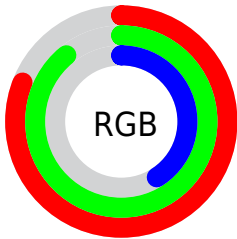
Format	Color
RYB	104, 227, 124
Decimal	13624168
CIELab	86.60, -23.84, 56.90
CIElCh	87, 61.698, 112.735
Yxy	69.2030, 0.3753, 0.4663
Android (android.graphics.Color)	4291814248 (0xFFCFE368)
YUV	206.9980, -50.7780, 0.0018
Hunter-Lab	83.1883, -26.0625, 41.4697

Details

The XYZ color **55.6999, 69.2030, 23.5185** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.1301, 19.7334, 75.0561**, and the grayscale version is **59.6129, 62.7174, 68.2993**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **27.9059, 36.2194, 8.5379** is the 20% darker color. If you saturate the color by 10%, you get **53.6797, 68.2796, 18.1943**, and if you desaturate by 10%, it is **58.0579, 70.2692, 30.4810**.

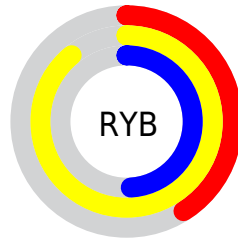
Distribution



Red (81%)

Green (89%)

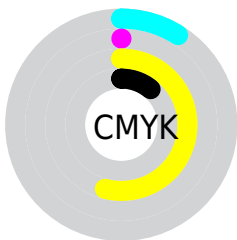
Blue (41%)



Red (41%)

Yellow (89%)

Blue (49%)

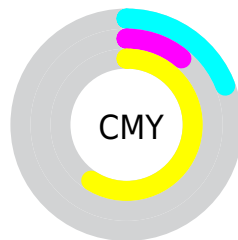


Cyan (9%)

Magenta (0%)

Yellow (54%)

Black (11%)



Cyan (19%)


Magenta (11%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6999, 69.2030, 23.5185 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 55.6999, 69.2030, 23.5185 by changing the saturation by 10% instead.


 55.6999, 69.2030,
23.5185

 55.6999, 69.2030,
23.5185


398.6530,
457.7466, 283.5848

 40.1984, 50.8771,
14.7679


 97.7080, 118.0715,
50.1773


 27.8782, 36.1108,
8.5119


 124.9454,
149.3828, 68.9225

 18.3738, 24.5198,
4.3318


 156.8254,
185.7913, 91.8365

 11.3200, 15.7196,
1.8091

 193.7134,
227.6815, 119.3376

 6.3514, 9.3260,
0.4339

235.9749,
275.4378, 151.8444

 3.1026, 4.9544,
0.0000

283.9750,

 1.2082, 2.2205,

329.4444, 189.7756

0.0000

338.0793,
390.0859, 233.5495

■ 0.1129, 0.7312,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6999, 69.2030,
23.5185

■ 55.6999, 69.2030,
23.5185

■ 53.6797, 68.2796,
18.1943

■ 58.0579, 70.2692,
30.4810

■ 51.9666, 67.4794,
14.3697


■ 60.7716, 71.4781,
39.1971


■ 50.5326, 66.7935,
11.8903


■ 63.8634, 72.8410,
49.7764

■ 49.3414, 66.2075,
10.5664


■ 67.3523, 74.3656,
62.3188


 48.7268, 65.8992,
10.1516

 71.2561, 76.0590,
76.9166

 75.5914, 77.9279,
93.6567

 79.0742, 79.4587,
105.7772

 80.2912, 80.0861,
105.8341

 81.5336, 80.7266,
105.8923

Harmonies

Analogous

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



69.3185, 69.2030, 21.0807



55.6999, 69.2030, 23.5185



46.2095, 69.2030, 36.9843

Triad

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



55.6999, 69.2030, 23.5185



50.4752, 69.2030, 157.1202



97.0360, 69.2030, 85.7668

Complementary

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



55.6999, 69.2030, 23.5185



27.1301, 19.7334, 75.0561

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.



90.2059, 69.2030, 133.8787



55.6999, 69.2030, 23.5185



62.3551, 69.2030, 183.7334

Square

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



55.6999, 69.2030, 23.5185



43.5126, 69.2030, 110.1102



76.9980, 69.2030, 173.9616



94.5718, 69.2030, 48.8040

Rectangle

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



55.6999, 69.2030, 23.5185



42.8340, 69.2030, 54.2897



76.9980, 69.2030, 173.9616



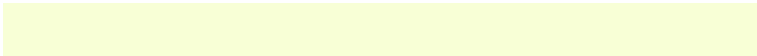
95.7209, 69.2030, 101.2551

Sweetspot

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



55.7015, 69.2061, 23.5200



86.7638, 96.4083, 77.7881



41.1946, 31.3621, 16.9799



18.3648, 20.5454, 15.9022



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.



55.7015, 69.2061, 23.5200



69.5818, 88.7462, 22.9687



42.0118, 62.1488, 22.8793



15.3594, 16.6923, 15.3169



28.5000, 38.4738, 5.9241



2.1678, 2.8749, 0.4407

Inverse Universe

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



27.1301, 19.7334, 75.0561



28.8734, 18.1337, 96.5861



38.5729, 25.6324, 75.5916



13.8001, 13.9992, 18.1191



8.5938, 3.4962, 42.6051



0.7014, 0.2925, 3.1515

Previews

White Background



This preview shows how the XYZ color 55.6999, 69.2030, 23.5185 looks on a white background.

Color Contrast Check

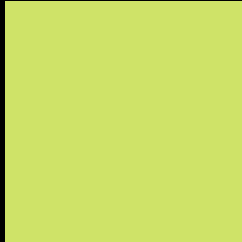
Large Text (above 18pt) WCAG AA × Fail

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 55.6999, 69.2030, 23.5185 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 55.6999, 69.2030, 23.5185

Background



This preview shows how black text looks on a background with the XYZ color 55.6999, 69.2030, 23.5185.



This preview shows how white text looks on a background with the XYZ color 55.6999, 69.2030,

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

55.6999, 69.2030, 23.5185

Protanopia

63.0970, 69.0906, 22.3222

Deuteranopia

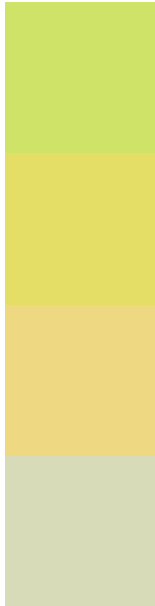
69.1513, 68.9053, 36.4434



Tritanopia

68.1483, 69.1785, 84.6239

Trichromacy



Original Color

55.6999, 69.2030, 23.5185

Protanomaly

60.2496, 69.1662, 22.7453

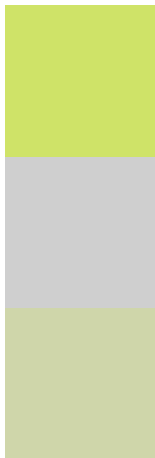
Deuteranomaly

63.8450, 68.9006, 31.0532

Tritanomaly

62.3021, 68.7227, 55.3285

Monochromacy



Original Color

55.6999, 69.2030, 23.5185

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.0344, 64.2608, 47.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6999, 69.2030, 23.5185 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(207, 227, 104)` looks like.

```
.text, #text, p{  
    color:rgb(207, 227, 104)  
}
```

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(207, 227, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 104) }
```

Border

The CSS property to change the border of an element to XYZ 55.6999, 69.2030, 23.5185 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(207, 227, 104) }
```


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

```
.border{ border-color:rgb(207, 227, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 227, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 104);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6999, 69.2030, 23.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 104) }
```

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

```
.background{ background-color: rgb(207,  
227, 104) }
```

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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