

Converting Colors

XYZ(55.7817, 66.9342, 11.9226)

Have a look what the booklet for
XYZ(55.7817, 66.9342, 11.9226)
contains.

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Color

**XYZ(55.7379, 67.0750,
11.9285)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDD27
RGB	220, 221, 39
RGB Percent	86%, 87%, 15%
CMY	0.1373, 0.1333, 0.8470
CMYK	0.00, 0.00, 0.82, 0.13
HSL	60°, 73%, 51%
HSV	60°, 82%, 87%
XYZ	55.7379, 67.0750, 11.9285
YIQ	199.9530, 57.8260, -56.8140

Conversions

Conversions Part 2

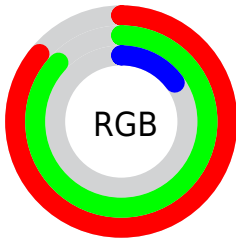
Format	Color
R _Y B	39, 221, 40
Decimal	14474535
CIE Lab	85.54, -19.17, 79.37
CIE LCh	86, 81.655, 103.577
Yxy	67.0750, 0.4137, 0.4978
Android (android.graphics.Color)	4292664615 (0xFFDCDD27)
YUV	199.9530, -79.3498, 17.5812
Hunter-Lab	81.8993, -21.8428, 48.6940

Details

The XYZ color **55.7379, 67.0750, 11.9285** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **14.6534, 7.1239, 69.0135**, and the grayscale version is **55.3213, 58.2023, 63.3823**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **28.3342, 34.8495, 5.2333** is the 20% darker color. If you saturate the color by 10%, you get **55.4366, 66.9527, 10.5279**, and if you desaturate by 10%, it is **56.2553, 67.2888, 14.4535**.

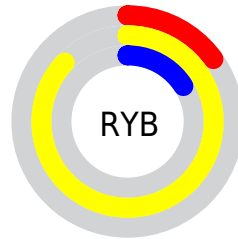
Distribution



Red (86%)

Green (87%)

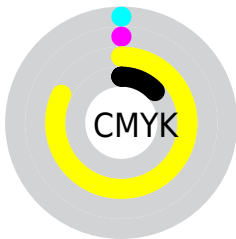
Blue (15%)



Red (15%)

Yellow (87%)

Blue (16%)

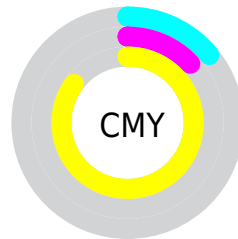


Cyan (0%)

Magenta (0%)

Yellow (82%)

Black (13%)



Cyan (14%)


Magenta (13%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7379, 67.0750, 11.9285 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 55.7379, 67.0750, 11.9285 by changing the saturation by 10% instead.


 55.7379, 67.0750,
11.9285


 55.7379, 67.0750,
11.9285


398.7941,
450.2117, 214.8925

 40.2290, 49.1456,
6.5731


 97.7633, 115.0279,
30.0273

 27.9021, 34.7350,
3.1222


 125.0105,
145.8201, 43.6077


 18.3920, 23.4588,
1.1574


 156.9012,
181.6688, 60.7668

 11.3332, 14.9326,
0.0000

 193.8007,
222.9582, 81.9232

 6.3603, 8.7721,
0.0000

 236.0743,
270.0728, 107.4955

 3.1081, 4.5928,
0.0000

 284.0876,

 1.2112, 2.0104,

323.3970, 137.9020

0.0000

338.2057,
383.3152, 173.5615

■ 0.1152, 0.6135,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7379, 67.0750,
11.9285

■ 55.7379, 67.0750,
11.9285

■ 55.4366, 66.9527,
10.5279

■ 56.2553, 67.2888,
14.4535

■ 55.3078, 66.8979,
9.9976

■ 57.0166, 67.5975,
18.2689

■ 58.0500, 68.0152,
23.5173

■ 59.3789, 68.5510,
30.3218

■ 61.0242, 69.2134,
38.7919

■ 63.0048, 70.0100,
49.0277

■ 65.3381, 70.9476,
61.1210

■ 68.0405, 72.0328,
75.1575

■ 71.1272, 73.2718,
91.2174

Harmonies

Analogous

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



74.3825, 67.0750, 12.3253



55.7379, 67.0750, 11.9285



42.1838, 67.0750, 21.1988

Triad

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



55.7379, 67.0750, 11.9285



41.2394, 67.0750, 168.5511



104.4691, 67.0750, 105.9026

Complementary

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



55.7379, 67.0750, 11.9285



14.6534, 7.1239, 69.0135

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.



91.6481, 67.0750, 174.8970



55.7379, 67.0750, 11.9285



54.1873, 67.0750, 221.4466

Square

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



55.7379, 67.0750, 11.9285



34.9778, 67.0750, 99.7450



72.5014, 67.0750, 224.2101



105.1079, 67.0750, 51.5747

Rectangle

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



55.7379, 67.0750, 11.9285



36.8399, 67.0750, 36.3443



72.5014, 67.0750, 224.2101



101.3432, 67.0750, 128.5987

Sweetspot

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



55.7394, 67.0781, 11.9299



86.3019, 96.4858, 63.5096



30.9128, 16.9713, 3.5668



18.2632, 20.5679, 12.5138



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.



55.7394, 67.0781, 11.9299



76.5023, 92.5218, 13.8996



35.4315, 56.6090, 10.9795



14.1548, 15.2600, 13.9250



32.1306, 38.8614, 5.8075



2.0839, 2.5188, 0.3764

Inverse Universe

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



14.6534, 7.1239, 69.0135



18.1271, 7.3008, 95.0615



22.9849, 11.4189, 69.4034



12.3453, 12.6206, 16.4375



7.5936, 3.0388, 39.9247



0.4943, 0.1981, 2.5866

Previews

White Background



This preview shows how the XYZ color 55.7379, 67.0750, 11.9285 looks on a white background.

Color Contrast Check

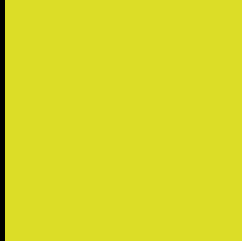
Large Text (above 18pt) WCAG AA × Fail

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 55.7379, 67.0750, 11.9285 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 55.7379, 67.0750, 11.9285

Background



This preview shows how black text looks on a background with the XYZ color 55.7379, 67.0750, 11.9285.



This preview shows how white text looks on a background with the XYZ color 55.7379, 67.0750,

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

55.7379, 67.0750, 11.9285

Protanopia

60.6561, 66.9275, 11.4716

Deuteranopia

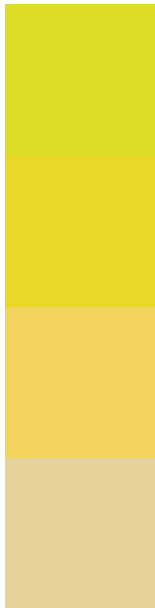
67.0130, 66.8833, 28.7798



Tritanopia

69.1878, 66.9090, 78.3754

Trichromacy



Original Color

55.7379, 67.0750, 11.9285

Protanomaly

58.7670, 67.0893, 11.6859

Deuteranomaly

61.9326, 66.2739, 20.1176

Tritanomaly

61.5238, 65.6131, 40.4323

Monochromacy



Original Color

55.7379, 67.0750, 11.9285

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.0957, 60.3002, 34.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7379, 67.0750, 11.9285 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(220, 221, 39)` looks like.

```
.text, #text, p{  
    color:rgb(220, 221, 39)  
}
```

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(220, 221, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 221, 39) }
```

Border

The CSS property to change the border of an element to XYZ 55.7379, 67.0750, 11.9285 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(220, 221, 39) }
```


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

```
.border{ border-color:rgb(220, 221, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 221, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 221, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 221, 39);  
box-shadow:4px 4px 4px 4px rgb(220, 221,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7379, 67.0750, 11.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 221, 39) }
```

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

```
.background{ background-color: rgb(220,  
221, 39) }
```

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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