

Converting Colors

XYZ(57.2821, 69.3390, 36.0346)

Have a look what the booklet for
XYZ(57.2821, 69.3390, 36.0346)
contains.

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Color

**XYZ(57.2557, 69.3248,
35.9545)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE28E
RGB	205, 226, 142
RGB Percent	80%, 89%, 56%
CMY	0.1961, 0.1137, 0.4431
CMYK	0.09, 0.00, 0.37, 0.11
HSL	75°, 59%, 72%
HSV	75°, 37%, 89%
XYZ	57.2557, 69.3248, 35.9545
YIQ	210.1450, 14.4480, -30.5760

Conversions

Conversions Part 2

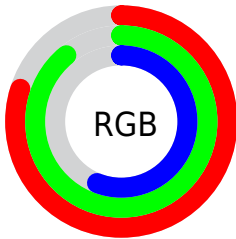
Format	Color
RYB	142, 226, 163
Decimal	13492878
CIELab	86.66, -20.24, 38.77
CIELCh	87, 43.737, 117.571
Yxy	69.3248, 0.3523, 0.4265
Android (android.graphics.Color)	4291682958 (0xFFCDE28E)
YUV	210.1450, -33.5955, -4.5122
Hunter-Lab	83.2615, -22.9602, 32.6801

Details

The XYZ color **57.2557, 69.3248, 35.9545** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **38.5073, 32.6253, 76.2231**, and the grayscale version is **61.5624, 64.7685, 70.5329**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **28.9861, 36.3480, 15.1610** is the 20% darker color. If you saturate the color by 10%, you get **54.1977, 67.9271, 27.8343**, and if you desaturate by 10%, it is **60.7175, 70.8953, 45.8921**.

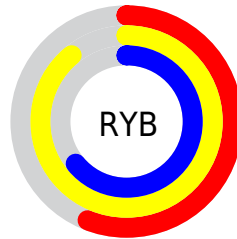
Distribution



Red (80%)

Green (89%)

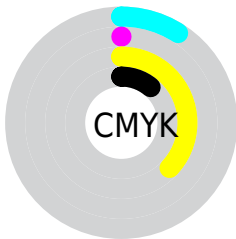
Blue (56%)



Red (56%)

Yellow (89%)

Blue (64%)

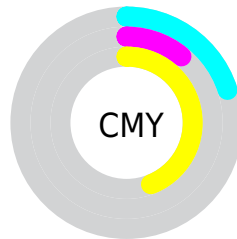


Cyan (9%)

Magenta (0%)

Yellow (37%)

Black (11%)



Cyan (20%)

Magenta (11%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2557, 69.3248, 35.9545 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 57.2557, 69.3248, 35.9545 by changing the saturation by 10% instead.


 57.2557, 69.3248,
35.9545

 57.2557, 69.3248,
35.9545


404.4055,
458.1757, 343.7930

 41.4515, 50.9763,
24.1096


 99.9674, 118.2454,
70.1301

 28.8613, 36.1897,
15.2020


 127.6056,
149.5862, 93.2979

 19.1197, 24.5808,
8.8131


159.9192,
186.0266, 121.0771

 11.8613, 15.7650,
4.5243

197.2736,
227.9509, 153.8862

 6.7208, 9.3580,
1.9172

240.0340,
275.7436, 192.1439

 3.3329, 4.9754,
0.5036

288.5659,

 1.3322, 2.2328,

329.7890, 236.2685

0.0000

343.2346,
390.4716, 286.6787

■ 0.2071, 0.7378,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2557, 69.3248,
35.9545

■ 57.2557, 69.3248,
35.9545

■ 54.1977, 67.9271,
27.8343

■ 60.7175, 70.8953,
45.8921

■ 51.5169, 66.6844,
21.4169


■ 64.5978, 72.6373,
57.7438


■ 49.1911, 65.5900,
16.5816


■ 68.9164, 74.5614,
71.6043


■ 47.1936, 64.6333,
13.1899


■ 73.6907, 76.6744,
87.5613

 45.4928, 63.8014,
11.0796

 78.9360, 78.9825,
105.6925


 44.0477, 63.0780,
10.0375

 80.8134, 79.9503,
105.7804

 43.6659, 62.8852,
9.8366

 82.7504, 80.9489,
105.8710

 84.7477, 81.9785,
105.9645

 86.4878, 82.8756,
106.0459

Harmonies

Analogous

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



66.7226, 69.3248, 32.2450



57.2557, 69.3248, 35.9545



50.7380, 69.3248, 49.2781

Triad

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



57.2557, 69.3248, 35.9545



55.9598, 69.3248, 133.2451



87.4018, 69.3248, 77.8790

Complementary

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



57.2557, 69.3248, 35.9545



38.5073, 32.6253, 76.2231

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.



83.7956, 69.3248, 109.6391



57.2557, 69.3248, 35.9545



65.0667, 69.3248, 146.3220

Square

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



57.2557, 69.3248, 35.9545



50.0456, 69.3248, 104.4556



75.3539, 69.3248, 136.7385



84.7712, 69.3248, 52.4339

Rectangle

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



57.2557, 69.3248, 35.9545



48.5941, 69.3248, 64.0694



75.3539, 69.3248, 136.7385



86.8713, 69.3248, 88.1773

Sweetspot

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



57.2574, 69.3279, 35.9560



88.3247, 97.0172, 86.7079



49.3461, 44.3182, 31.5456



18.7385, 20.6915, 18.0235



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.



57.2574, 69.3279, 35.9560



71.9724, 89.6392, 38.4165



47.1854, 64.1356, 35.4846



14.5196, 15.8480, 14.6005



25.0240, 35.9329, 5.6168



1.8148, 2.5320, 0.3931

Inverse Universe

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



38.5073, 32.6253, 76.2231



43.8147, 34.4781, 98.9534



48.5797, 37.8178, 76.6945



13.2716, 13.4080, 17.2762



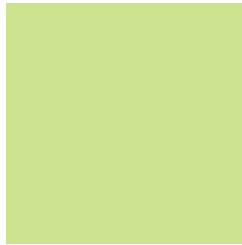
8.8701, 3.6680, 41.2889



0.6961, 0.2961, 2.8657

Previews

White Background



This preview shows how the XYZ color 57.2557, 69.3248, 35.9545 looks on a white background.

Color Contrast Check

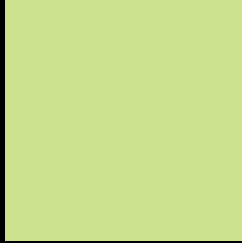
Large Text (above 18pt) WCAG AA × Fail

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 57.2557, 69.3248, 35.9545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

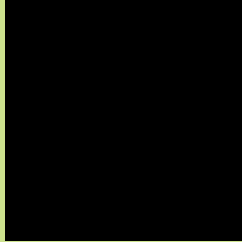
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.2557, 69.3248, 35.9545

Background



This preview shows how black text looks on a background with the XYZ color 57.2557, 69.3248, 35.9545.



This preview shows how white text looks on a background with the XYZ color 57.2557, 69.3248,

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

57.2557, 69.3248, 35.9545

Protanopia

63.9924, 69.2936, 34.0470

Deuteranopia

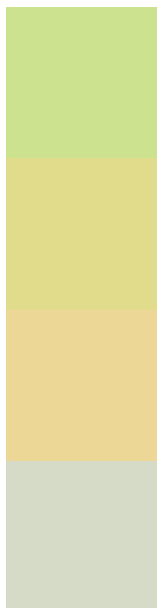
69.7966, 68.7721, 41.0481



Tritanopia

67.4812, 69.1788, 86.1401

Trichromacy



Original Color

57.2557, 69.3248, 35.9545

Protanomaly

61.3047, 69.0580, 34.5245

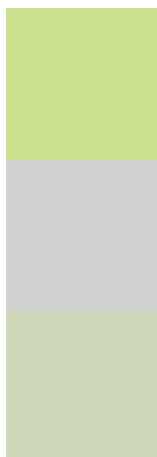
Deuteranomaly

64.8114, 68.8398, 39.1496

Tritanomaly

63.0809, 68.9327, 64.0135

Monochromacy



Original Color

57.2557, 69.3248, 35.9545

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.3252, 66.0244, 55.5162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2557, 69.3248, 35.9545 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(205, 226, 142)` looks like.

```
.text, #text, p{  
    color:rgb(205, 226, 142)  
}
```

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(205, 226, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 226, 142) }
```

Border

The CSS property to change the border of an element to XYZ 57.2557, 69.3248, 35.9545 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(205, 226, 142) }
```


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

```
.border{ border-color:rgb(205, 226, 142) }
```

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

Here you see how a box with a 4 pixel rgb(205, 226, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 226, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 226, 142);  
box-shadow:4px 4px 4px 4px rgb(205, 226,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2557, 69.3248, 35.9545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 226, 142) }
```

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

```
.background{ background-color: rgb(205,  
226, 142) }
```

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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