

Converting Colors

XYZ(56.6198, 67.9254, 12.0942)

Have a look what the booklet for
XYZ(56.6198, 67.9254, 12.0942)
contains.

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Color

**XYZ(56.6285, 67.9253,
12.1337)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDE28
RGB	222, 222, 40
RGB Percent	87%, 87%, 16%
CMY	0.1294, 0.1294, 0.8431
CMYK	0.00, 0.00, 0.82, 0.13
HSL	60°, 73%, 51%
HSV	60°, 82%, 87%
XYZ	56.6285, 67.9253, 12.1337
YIQ	201.2520, 58.4220, -56.6020

Conversions

Conversions Part 2

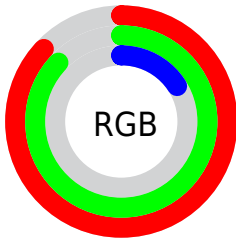
Format	Color
R_{YB}	40, 222, 40
Decimal	14605864
CIE _{Lab}	85.97, -18.79, 79.56
CIE _{LCh}	86, 81.754, 103.290
Yxy	67.9253, 0.4143, 0.4969
Android (android.graphics.Color)	4292795944 (0xFFDEDE28)
YUV	201.2520, -79.4972, 18.1960
Hunter-Lab	82.4168, -21.5823, 48.9629

Details

The XYZ color **56.6285, 67.9253, 12.1337** 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 **14.8204, 7.2439, 69.7285**, and the grayscale version is **56.1286, 59.0516, 64.3072**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **28.9230, 35.4240, 5.3131** is the 20% darker color. If you saturate the color by 10%, you get **56.3543, 67.8181, 10.6841**, and if you desaturate by 10%, it is **57.1224, 68.1254, 14.7265**.

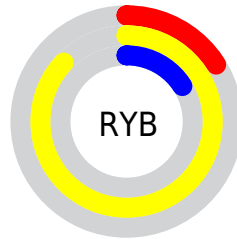
Distribution



Red (87%)

Green (87%)

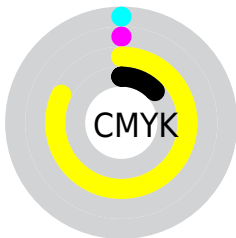
Blue (16%)



Red (16%)

Yellow (87%)

Blue (16%)

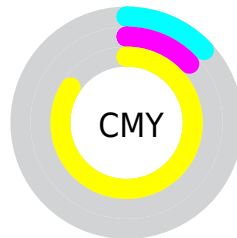


Cyan (0%)

Magenta (0%)

Yellow (82%)

Black (13%)



Cyan (13%)

Magenta (13%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6285, 67.9253, 12.1337 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 56.6285, 67.9253, 12.1337 by changing the saturation by 10% instead.

56.6285, 67.9253,
12.1337

56.6285, 67.9253,
12.1337

402.0925,
453.2313, 216.2977

40.9460, 49.8370,
6.7112

99.0574, 116.2453,
30.4064

28.4644, 35.2839,
3.2064

126.5346,
147.2457, 44.0937

18.8183, 23.8816,
1.2010

158.6740,
183.3189, 61.3729

11.6423, 15.2458,
0.0000

195.8410,
224.8494, 82.6626

6.5710, 8.9921,
0.0000

238.4010,
272.2215, 108.3814

3.2392, 4.7360,
0.0000

286.7194,

1.2815, 2.0932,

325.8196, 138.9479

0.0000

341.1614,
386.0280, 174.7804

■ 0.1693, 0.6608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6285, 67.9253,
12.1337

■ 56.6285, 67.9253,
12.1337

■ 56.3543, 67.8181,
10.6841

■ 57.1224, 68.1254,
14.7265

■ 56.2465, 67.7750,
10.1174

■ 57.8637, 68.4220,
18.6290

■ 58.8810, 68.8289,
23.9848

■ 60.1978, 69.3557,
30.9175

■ 61.8350, 70.0106,
39.5377

■ 63.8118, 70.8013,
49.9460

■ 66.1457, 71.7349,
62.2351

■ 68.8532, 72.8180,
76.4914

■ 71.9497, 74.0566,
92.7959

Harmonies

Analogous

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



75.4836, 67.9253, 12.6177



56.6285, 67.9253, 12.1337



42.8749, 67.9253, 21.4098

Triad

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



56.6285, 67.9253, 12.1337



41.7278, 67.9253, 169.6616



105.5780, 67.9253, 107.7693

Complementary

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



56.6285, 67.9253, 12.1337



14.8204, 7.2439, 69.7285

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.



92.5483, 67.9253, 177.3499



56.6285, 67.9253, 12.1337



54.7463, 67.9253, 223.3248

Square

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



56.6285, 67.9253, 12.1337



35.4635, 67.9253, 100.3024



73.2016, 67.9253, 226.6715



106.3525, 67.9253, 52.6864

Rectangle

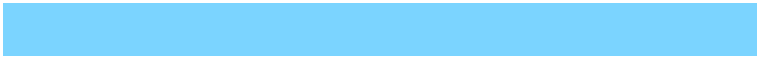
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6285, 67.9253, 12.1337



37.4301, 67.9253, 36.6012



73.2016, 67.9253, 226.6715



102.3863, 67.9253, 130.7035

Sweetspot

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



56.6300, 67.9285, 12.1351



86.4307, 96.5522, 63.5156



31.2683, 17.2020, 3.6806



18.2947, 20.5841, 12.5152



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.



56.6300, 67.9285, 12.1351



77.0247, 92.7895, 13.9970



35.8673, 57.2249, 11.1634



14.8718, 16.0296, 14.6170



33.4073, 40.2546, 6.0092



2.3156, 2.7902, 0.4165

Inverse Universe

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



14.8204, 7.2439, 69.7285



18.1693, 7.3637, 95.0714



23.3060, 11.6183, 70.1256



12.9522, 13.2434, 17.2613



7.8316, 3.1327, 41.2403



0.5429, 0.2171, 2.8585

Previews

White Background



This preview shows how the XYZ color 56.6285, 67.9253, 12.1337 looks on a white background.

Color Contrast Check

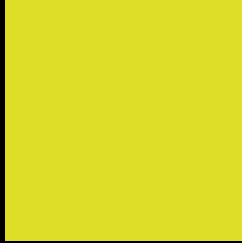
Large Text (above 18pt) WCAG AA × Fail

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 56.6285, 67.9253, 12.1337 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 56.6285, 67.9253, 12.1337

Background



This preview shows how black text looks on a background with the XYZ color 56.6285, 67.9253, 12.1337.



This preview shows how white text looks on a background with the XYZ color 56.6285, 67.9253,

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

56.6285, 67.9253, 12.1337

Protanopia

61.2682, 67.6181, 11.6561

Deuteranopia

67.5821, 67.4974, 30.5854



Tritanopia

70.2242, 67.7862, 79.1949

Trichromacy



Original Color

56.6285, 67.9253, 12.1337

Protanomaly

59.6986, 67.9515, 11.8889

Deuteranomaly

62.6633, 67.0047, 20.9398

Tritanomaly

62.4992, 66.4762, 40.9896

Monochromacy



Original Color

56.6285, 67.9253, 12.1337

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.9774, 61.1092, 34.5415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6285, 67.9253, 12.1337 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(222, 222, 40)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 40)  
}
```

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(222, 222, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 40) }
```

Border

The CSS property to change the border of an element to XYZ 56.6285, 67.9253, 12.1337 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(222, 222, 40) }
```


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

```
.border{ border-color:rgb(222, 222, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 40);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6285, 67.9253, 12.1337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 40) }
```

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

```
.background{ background-color: rgb(222,  
222, 40) }
```

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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