

Converting Colors

XYZ(56.4232, 67.7530, 33.6773)

Have a look what the booklet for
XYZ(56.4232, 67.7530, 33.6773)
contains.

XYZ(56.3566, 67.7033, 33.7646)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.3566, 67.7033,
33.7646)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDF89
RGB	206, 223, 137
RGB Percent	81%, 87%, 54%
CMY	0.1922, 0.1255, 0.4627
CMYK	0.08, 0.00, 0.39, 0.13
HSL	72°, 57%, 71%
HSV	72°, 39%, 87%
XYZ	56.3566, 67.7033, 33.7646
YIQ	208.1130, 17.4740, -30.3500

Conversions

Conversions Part 2

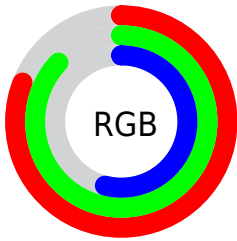
Format	Color
RYB	137, 223, 154
Decimal	13557641
CIELab	85.86, -18.99, 40.24
CIElCh	86, 44.499, 115.259
Yxy	67.7033, 0.3571, 0.4290
Android (android.graphics.Color)	4291747721 (0xFFCEDF89)
YUV	208.1130, -35.0587, -1.8531
Hunter-Lab	82.2820, -21.7353, 33.2676

Details

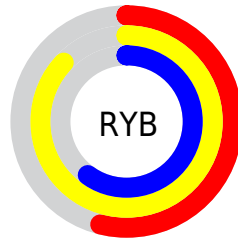
The XYZ color **56.3566, 67.7033, 33.7646** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **35.5940, 30.0908, 73.7480**, and the grayscale version is **60.2413, 63.3785, 69.0192**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **28.2200, 35.1452, 13.8907** is the 20% darker color. If you saturate the color by 10%, you get **53.7130, 66.5088, 26.1363**, and if you desaturate by 10%, it is **59.3686, 69.0539, 43.1386**.

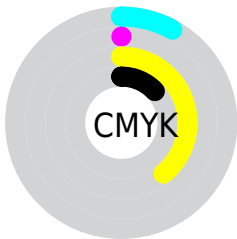
Distribution



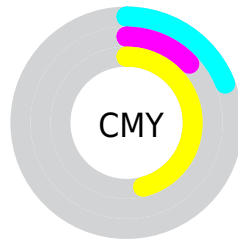
- Red (81%)
- Green (87%)
- Blue (54%)



- Red (54%)
- Yellow (87%)
- Blue (60%)



- Cyan (8%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)




- Cyan (19%)
- Magenta (13%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3566, 67.7033, 33.7646 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 56.3566, 67.7033, 33.7646 by changing the saturation by 10% instead.

 56.3566, 67.7033,
33.7646

 56.3566, 67.7033,
33.7646


401.0873,
452.4441, 333.8182


 40.7270, 49.6564,
22.4369


 98.6626, 115.9276,
66.6971

 28.2926, 35.1405,
13.9769

 126.0697,
146.8738, 89.1391

 18.6879, 23.7711,
7.9660


 158.1333,
182.8885, 116.1229

 11.5476, 15.1639,
3.9858

195.2189,
224.3561, 148.0670

 6.5065, 8.9345,
1.6175

237.6917,
271.6611, 185.3901

 3.1990, 4.6985,
0.3033

285.9171,

 1.2598, 2.0715,

325.1879, 228.5106

0.0000

340.2605,
385.3207, 277.8471

■ 0.1528, 0.6485,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3566, 67.7033,
33.7646

■ 56.3566, 67.7033,
33.7646

■ 53.7130, 66.5088,
26.1363

■ 59.3686, 69.0539,
43.1386

■ 51.4119, 65.4528,
20.1414

■ 62.7629, 70.5590,
54.3527

■ 49.4319, 64.5292,
15.6611

■ 66.5590, 72.2289,
67.4999

■ 47.7469, 63.7275,
12.5588

■ 70.7731, 74.0701,
82.6656

■ 46.3258, 63.0351,
10.6736

■ 75.4209, 76.0888,
99.9299

■ 45.1228, 62.4338,
9.7646

■ 77.8665, 77.2307,
105.4108

■ 44.9588, 62.3513,
9.6654

■ 79.3197, 77.9799,
105.4788

■ 80.8091, 78.7477,
105.5485

■ 82.3350, 79.5343,
105.6199

Harmonies

Analogous

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



65.9808, 67.7033, 30.7870



56.3566, 67.7033, 33.7646



49.5734, 67.7033, 46.1728

Triad

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



56.3566, 67.7033, 33.7646



53.8312, 67.7033, 130.0185



85.8855, 67.7033, 78.4467

Complementary

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



56.3566, 67.7033, 33.7646



35.5940, 30.0908, 73.7480

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.



81.8048, 67.7033, 110.4843



56.3566, 67.7033, 33.7646



62.7462, 67.7033, 144.8519

Square

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



56.3566, 67.7033, 33.7646



48.2267, 67.7033, 100.3076



73.0655, 67.7033, 136.8976



83.7174, 67.7033, 52.2980

Rectangle

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



56.3566, 67.7033, 33.7646



47.2216, 67.7033, 60.3582



73.0655, 67.7033, 136.8976



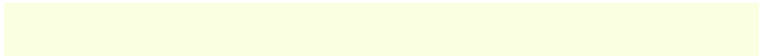
85.1879, 67.7033, 88.9152

Sweetspot

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



56.3583, 67.7063, 33.7660



88.3178, 97.0540, 84.8842



46.3022, 40.2022, 28.9872



18.7575, 20.7093, 17.6608



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.



56.3583, 67.7063, 33.7660



73.5415, 90.4697, 37.5174



46.2634, 62.5022, 33.2936



14.5923, 15.8855, 14.6039



26.5271, 36.7077, 5.6872



1.9072, 2.5797, 0.3974

Inverse Universe

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



35.5940, 30.0908, 73.7480



41.7721, 32.8770, 98.7520



44.9715, 34.9251, 74.1869



13.2038, 13.3731, 17.2730



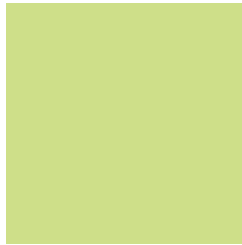
8.5176, 3.4863, 41.2724



0.6628, 0.2790, 2.8642

Previews

White Background



This preview shows how the XYZ color 56.3566, 67.7033, 33.7646 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 56.3566, 67.7033, 33.7646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

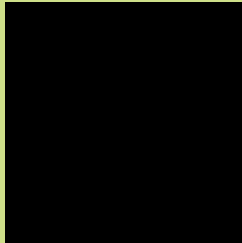
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3566, 67.7033, 33.7646

Background



This preview shows how black text looks on a background with the XYZ color 56.3566, 67.7033, 33.7646.



This preview shows how white text looks on a background with the XYZ color 56.3566, 67.7033,

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

56.3566, 67.7033, 33.7646

Protanopia

62.2813, 67.3068, 32.2632

Deuteranopia

68.5778, 67.5092, 37.0199



Tritanopia

66.5998, 67.6495, 83.6762

Trichromacy



Original Color

56.3566, 67.7033, 33.7646

Protanomaly

59.9265, 67.2223, 32.7384

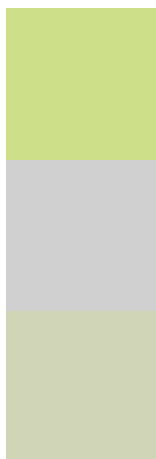
Deuteranomaly

63.4265, 67.0747, 35.5904

Tritanomaly

62.2512, 67.3934, 61.9518

Monochromacy



Original Color

56.3566, 67.7033, 33.7646

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

57.9699, 64.2313, 53.5985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3566, 67.7033, 33.7646 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(206, 223, 137)` looks like.

```
.text, #text, p{  
    color:rgb(206, 223, 137)  
}
```

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(206, 223, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 223, 137) }
```

Border

The CSS property to change the border of an element to XYZ 56.3566, 67.7033, 33.7646 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(206, 223, 137) }
```


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

```
.border{ border-color:rgb(206, 223, 137) }
```

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

Here you see how a box with a 4 pixel rgb(206, 223, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 223, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 223, 137);  
box-shadow:4px 4px 4px 4px rgb(206, 223,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3566, 67.7033, 33.7646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 223, 137) }
```

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

```
.background{ background-color: rgb(206,  
223, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor