

Converting Colors

XYZ(56.5765, 66.9413, 37.5428)

Have a look what the booklet for
XYZ(56.5765, 66.9413, 37.5428)
contains.

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Color

**XYZ(56.5765, 66.9413,
37.5428)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDD93
RGB	206, 221, 147
RGB Percent	81%, 87%, 58%
CMY	0.1922, 0.1333, 0.4235
CMYK	0.07, 0.00, 0.33, 0.13
HSL	72°, 52%, 72%
HSV	72°, 33%, 87%
XYZ	56.5765, 66.9413, 37.5428
YIQ	208.0790, 14.8140, -26.1940

Conversions

Conversions Part 2

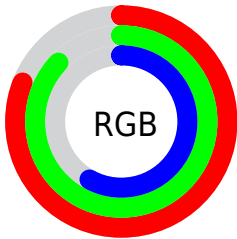
Format	Color
RYB	147, 221, 162
Decimal	13557139
CIELab	85.47, -16.79, 34.71
CIELCh	85, 38.558, 115.812
Yxy	66.9413, 0.3513, 0.4156
Android (android.graphics.Color)	4291747219 (0xFFCEDD93)
YUV	208.0790, -30.1119, -1.8233
Hunter-Lab	81.8177, -19.7491, 30.0666

Details

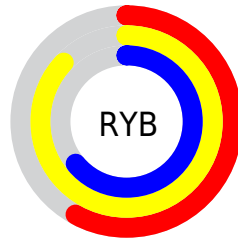
The XYZ color **56.5765, 66.9413, 37.5428** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3877, 33.7710, 72.9056**, and the grayscale version is **60.1893, 63.3239, 68.9597**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **28.4643, 34.6780, 16.0198** is the 20% darker color. If you saturate the color by 10%, you get **53.7804, 65.6835, 29.2128**, and if you desaturate by 10%, it is **59.7446, 68.3566, 47.6320**.

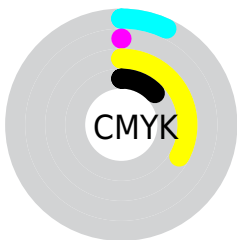
Distribution



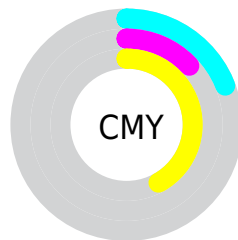
- Red (81%)
- Green (87%)
- Blue (58%)



- Red (58%)
- Yellow (87%)
- Blue (64%)



- Cyan (7%)
- Magenta (0%)
- Yellow (33%)
- Black (13%)




- Cyan (19%)
- Magenta (13%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5765, 66.9413, 37.5428 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 56.5765, 66.9413, 37.5428 by changing the saturation by 10% instead.


 56.5765, 66.9413,
37.5428


 56.5765, 66.9413,
37.5428


401.9004,
449.7358, 350.8938

 40.9041, 49.0369,
25.3290


 98.9819, 114.8363,
72.6025

 28.4315, 34.6488,
16.1011

 126.4457,
145.5957, 96.2854

 18.7933, 23.3924,
9.4406


158.5706,
181.4089, 124.6284

 11.6241, 14.8836,
4.9289

195.7221,
222.6603, 158.0500

 6.5587, 8.7377,
2.1476

238.2654,
269.7343, 196.9688

 3.2315, 4.5705,
0.6439

286.5660,

 1.2773, 1.9975,

323.0153, 241.8034

0.0000

340.9892,
382.8877, 292.9722

■ 0.1662, 0.6060,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5765, 66.9413,
37.5428

■ 56.5765, 66.9413,
37.5428

■ 53.7804, 65.6835,
29.2128

■ 59.7446, 68.3566,
47.6320

■ 51.3320, 64.5665,
22.5368

■ 63.2976, 69.9278,
59.5689

■ 49.2113, 63.5846,
17.4052

■ 67.2539, 71.6643,
73.4411

■ 47.3946, 62.7284,
13.6933

■ 71.6290, 73.5727,
89.3296

■ 45.8541, 61.9865,
11.2572

■ 76.0319, 75.4963,
105.1727

■ 44.5564, 61.3458,
9.9223

■ 77.4754, 76.2405,
105.2402

■ 43.8061, 60.9684,
9.4593

■ 78.9562, 77.0038,
105.3095

■ 80.4743, 77.7865,
105.3806

■ 82.0302, 78.5885,
105.4534

Harmonies

Analogous

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



64.8624, 66.9413, 34.6155



56.5765, 66.9413, 37.5428



50.6968, 66.9413, 49.0238

Triad

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



56.5765, 66.9413, 37.5428



54.6312, 66.9413, 120.4604



81.9264, 66.9413, 76.4638

Complementary

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



56.5765, 66.9413, 37.5428



38.3877, 33.7710, 72.9056

Split Complementary

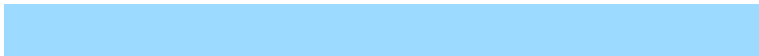
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5846, 66.9413, 103.4584



56.5765, 66.9413, 37.5428



62.4048, 66.9413, 132.2883

Square

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



56.5765, 66.9413, 37.5428



49.6480, 66.9413, 95.9493



71.2374, 66.9413, 125.4469



80.0077, 66.9413, 53.8534

Rectangle

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



56.5765, 66.9413, 37.5428



48.6666, 66.9413, 61.7026



71.2374, 66.9413, 125.4469



81.3734, 66.9413, 85.3489

Sweetspot

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



56.5782, 66.9443, 37.5442



89.3361, 97.4976, 88.6057



47.9727, 43.2509, 33.4245



18.9597, 20.7973, 18.4027



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.



56.5782, 66.9443, 37.5442



75.5460, 91.3662, 43.7907



47.5303, 62.2799, 37.1208



13.8902, 15.1236, 13.9126



25.5415, 35.4646, 5.4992



1.7215, 2.3320, 0.3594

Inverse Universe

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



38.3877, 33.7710, 72.9056



46.8260, 38.9647, 99.6607



46.9873, 38.2043, 73.3081



12.5841, 12.7437, 16.4487



8.2802, 3.3928, 39.9569



0.6077, 0.2565, 2.5919

Previews

White Background



This preview shows how the XYZ color 56.5765, 66.9413, 37.5428 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 56.5765, 66.9413, 37.5428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

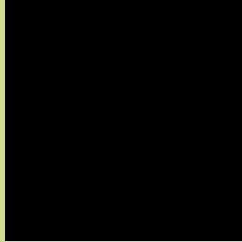
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5765, 66.9413, 37.5428

Background



This preview shows how black text looks on a background with the XYZ color 56.5765, 66.9413, 37.5428.

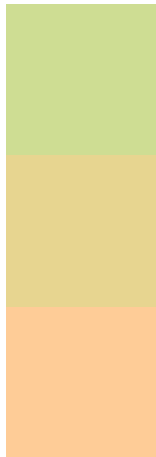


This preview shows how white text looks on a background with the XYZ color 56.5765, 66.9413,

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

56.5765, 66.9413, 37.5428

Protanopia

61.7833, 66.5910, 35.9826

Deuteranopia

68.0518, 66.4909, 38.5255



Tritanopia

65.6168, 66.7889, 82.8320

Trichromacy



Original Color

56.5765, 66.9413, 37.5428

Protanomaly

59.7909, 66.6857, 36.5084

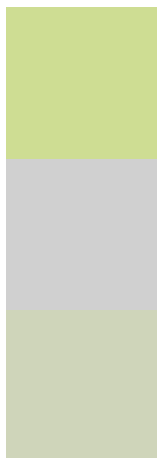
Deuteranomaly

63.4767, 66.2997, 38.3057

Tritanomaly

61.7606, 66.7214, 63.6562

Monochromacy



Original Color

56.5765, 66.9413, 37.5428

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.3893, 64.3991, 55.8072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5765, 66.9413, 37.5428 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, 221, 147)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 147)  
}
```

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, 221, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 147) }
```

Border

The CSS property to change the border of an element to XYZ 56.5765, 66.9413, 37.5428 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, 221, 147) }
```


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

```
.border{ border-color:rgb(206, 221, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 221, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 221, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 221, 147);  
box-shadow:4px 4px 4px 4px rgb(206, 221,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5765, 66.9413, 37.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 221, 147) }
```

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

```
.background{ background-color: rgb(206,  
221, 147) }
```

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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