

Converting Colors

XYZ(56.5123, 63.3726, 46.1881)

Have a look what the booklet for
XYZ(56.5123, 63.3726, 46.1881)
contains.

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Color

**XYZ(56.3435, 63.1795,
46.2710)**

Conversions

Conversions Part 1

Format	Color
Hex	CFD4A8
RGB	207, 212, 168
RGB Percent	81%, 83%, 66%
CMY	0.1882, 0.1686, 0.3412
CMYK	0.02, 0.00, 0.21, 0.17
HSL	67°, 34%, 75%
HSV	67°, 21%, 83%
XYZ	56.3435, 63.1795, 46.2710
YIQ	205.4890, 11.1440, -14.7440

Conversions

Conversions Part 2

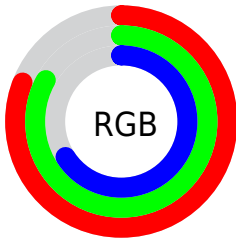
Format	Color
RYB	168, 212, 173
Decimal	13620392
CIELab	83.54, -9.02, 21.25
CIElCh	84, 23.084, 112.990
Yxy	63.1795, 0.3398, 0.3811
Android (android.graphics.Color)	4291810472 (0xFFCFD4A8)
YUV	205.4890, -18.4821, 1.3251
Hunter-Lab	79.4855, -12.5696, 21.1253

Details

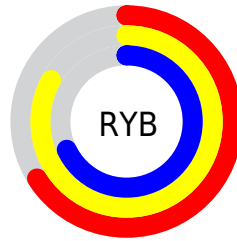
The XYZ color **56.3435, 63.1795, 46.2710** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.1223, 41.6446, 68.0562**, and the grayscale version is **58.4504, 61.4943, 66.9673**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **28.1583, 32.0503, 21.2252** is the 20% darker color. If you saturate the color by 10%, you get **53.8594, 62.1108, 36.6719**, and if you desaturate by 10%, it is **59.1633, 64.3880, 57.5692**.

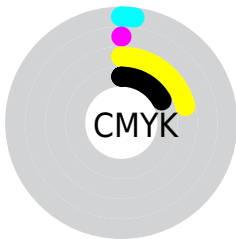
Distribution



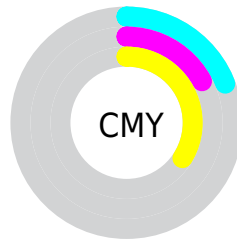
- Red (81%)
- Green (83%)
- Blue (66%)



- Red (66%)
- Yellow (83%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)



- Cyan (19%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3435, 63.1795, 46.2710 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 56.3435, 63.1795, 46.2710 by changing the saturation by 10% instead.

■ 56.3435, 63.1795,
46.2710

■ 56.3435, 63.1795,
46.2710

401.0388,
436.2206, 388.2063

■ 40.7165, 45.9864,
32.1095

■ 98.6435, 109.4284,
85.9630

■ 28.2843, 32.2351,
21.1797

■ 126.0473,
139.2531, 112.3306

■ 18.6816, 21.5412,
13.0629

158.1072,
174.0571, 143.6039

■ 11.5431, 13.5201,
7.3406

195.1889,
214.2248, 180.2016

■ 6.5034, 7.7877,
3.5944

237.6575,
260.1406, 222.5421

■ 3.1970, 3.9594,
1.4056

285.8784,

■ 1.2588, 1.6509,

312.1889, 271.0441

0.1460

340.2171,
370.7541, 326.1259

■ 0.1521, 0.3915,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3435, 63.1795,
46.2710

■ 56.3435, 63.1795,
46.2710

■ 53.8594, 62.1108,
36.6719

■ 59.1633, 64.3880,
57.5692

■ 51.6904, 61.1671,
28.6859

■ 62.3283, 65.7336,
70.6390

■ 49.8212, 60.3445,
22.2253

■ 65.8539, 67.2247,
85.5536

■ 48.2332, 59.6356,
17.1928

■ 69.7531, 68.8663,
102.3809

■ 46.9057, 59.0321,
13.4795

■ 70.8252, 69.3784,
104.2662

■ 45.8152, 58.5245,
10.9611

■ 71.5562, 69.7552,
104.3004

■ 44.9334, 58.1016,
9.4897

■ 72.2977, 70.1375,
104.3351

■ 44.2576, 57.7674,
8.8176

■ 73.0498, 70.5252,
104.3703

■ 73.8126, 70.9185,
104.4060

Harmonies

Analogous

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



61.2409, 63.1795, 44.7545



56.3435, 63.1795, 46.2710



52.6380, 63.1795, 53.3984

Triad

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



56.3435, 63.1795, 46.2710



54.4026, 63.1795, 93.4245



70.1934, 63.1795, 72.2354

Complementary

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



56.3435, 63.1795, 46.2710



43.1223, 41.6446, 68.0562

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.



68.1275, 63.1795, 86.8910



56.3435, 63.1795, 46.2710



58.8751, 63.1795, 100.1854

Square

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



56.3435, 63.1795, 46.2710



51.5620, 63.1795, 80.2133



63.9160, 63.1795, 97.6410



69.4223, 63.1795, 58.5093

Rectangle

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



56.3435, 63.1795, 46.2710



51.2502, 63.1795, 60.9865



63.9160, 63.1795, 97.6410



69.8040, 63.1795, 77.2361

Sweetspot

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



56.3452, 63.1823, 46.2723



92.0463, 98.7249, 96.4091



49.0501, 46.4834, 43.4336



19.6343, 21.1025, 20.3576



0.0000, 0.0000, 0.0000



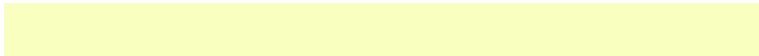
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.3452, 63.1823, 46.2723



83.8142, 95.2033, 63.3932



50.7663, 60.3063, 46.0113



13.3273, 14.4449, 13.2464



27.3750, 35.6887, 5.4458



1.6916, 2.1734, 0.3304

Inverse Universe

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



43.1223, 41.6446, 68.0562



60.1562, 56.6646, 102.3745



48.2392, 44.2825, 68.2957



11.8725, 12.0757, 15.6426



7.6134, 3.0774, 38.6459



0.5042, 0.2088, 2.3330

Previews

White Background



This preview shows how the XYZ color 56.3435, 63.1795, 46.2710 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 56.3435, 63.1795, 46.2710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

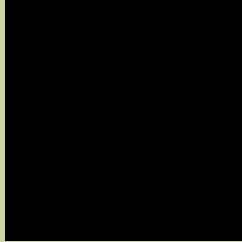
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

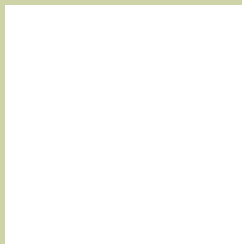
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3435, 63.1795, 46.2710

Background



This preview shows how black text looks on a background with the XYZ color 56.3435, 63.1795, 46.2710.



This preview shows how white text looks on a background with the XYZ color 56.3435, 63.1795,

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

56.3435, 63.1795, 46.2710

Protanopia

59.2576, 63.2371, 45.1592

Deuteranopia

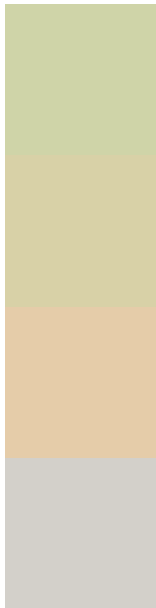
64.1856, 62.9116, 46.7904



Tritanopia

62.6140, 63.1792, 77.3013

Trichromacy



Original Color

56.3435, 63.1795, 46.2710

Protanomaly

58.0944, 62.9899, 45.6556

Deuteranomaly

61.0674, 62.7083, 46.4214

Tritanomaly

60.0805, 63.2249, 64.9142

Monochromacy



Original Color

56.3435, 63.1795, 46.2710

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.5239, 62.0393, 58.8121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3435, 63.1795, 46.2710 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(207, 212, 168)` looks like.

```
.text, #text, p{  
    color:rgb(207, 212, 168)  
}
```

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(207, 212, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 212, 168) }
```

Border

The CSS property to change the border of an element to XYZ 56.3435, 63.1795, 46.2710 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(207, 212, 168) }
```


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

```
.border{ border-color:rgb(207, 212, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 212, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 212, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 212, 168);  
box-shadow:4px 4px 4px 4px rgb(207, 212,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3435, 63.1795, 46.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 212, 168) }
```

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

```
.background{ background-color: rgb(207,  
212, 168) }
```

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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