

Converting Colors

XYZ(49.4688, 56.0927, 42.8768)

Have a look what the booklet for
XYZ(49.4688, 56.0927, 42.8768)
contains.

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Color

**XYZ(49.4696, 56.0919,
42.8698)**

Conversions

Conversions Part 1

Format	Color
Hex	C0CAA3
RGB	192, 202, 163
RGB Percent	75%, 79%, 64%
CMY	0.2471, 0.2078, 0.3608
CMYK	0.05, 0.00, 0.19, 0.21
HSL	75°, 27%, 72%
HSV	75°, 19%, 79%
XYZ	49.4696, 56.0919, 42.8698
YIQ	194.5640, 6.5590, -14.2490

Conversions

Conversions Part 2

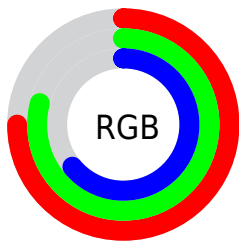
Format	Color
RYB	163, 202, 173
Decimal	12634787
CIELab	79.67, -10.16, 18.36
CIELCh	80, 20.979, 118.963
Yxy	56.0919, 0.3333, 0.3779
Android (android.graphics.Color)	4290824867 (0xFFC0CAA3)
YUV	194.5640, -15.5611, -2.2486
Hunter-Lab	74.8945, -13.1620, 18.4884

Details

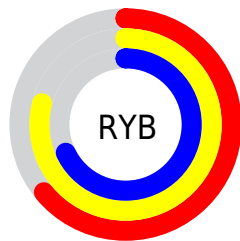
The XYZ color **49.4696, 56.0919, 42.8698** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.9937, 39.3444, 61.3139**, and the grayscale version is **51.7005, 54.3930, 59.2340**.

A 20% lighter version of the original color is **87.4818, 96.7217, 80.3880**, and **23.9404, 27.7308, 19.1297** is the 20% darker color. If you saturate the color by 10%, you get **46.5138, 54.7626, 34.0264**, and if you desaturate by 10%, it is **52.7637, 57.5657, 53.2405**.

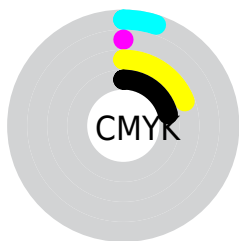
Distribution



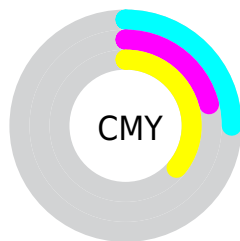
- Red (75%)
- Green (79%)
- Blue (64%)



- Red (64%)
- Yellow (79%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (25%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4696, 56.0919, 42.8698 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 49.4696, 56.0919, 42.8698 by changing the saturation by 10% instead.


 49.4696, 56.0919,
42.8698


 49.4696, 56.0919,
42.8698

375.0745,
410.0377, 373.9815

 35.2082, 40.2766,
29.4523


 88.5850, 99.1389,
80.7986

 23.9906, 27.7543,
19.1747


 114.1698,
127.1395, 106.1470

 15.4513, 18.1405,
11.6185


144.2598,
159.9705, 136.3095

 9.2251, 11.0509,
6.3651

179.2202,
198.0165, 171.7045

 4.9466, 6.1011,
2.9960

219.4166,
241.6619, 212.7507

 2.2504, 2.9066,
1.0926

265.2142,

 0.7691, 1.0832,

291.2909, 259.8666

0.0000

316.9783,
347.2881, 313.4707

■ 0.0000, 0.0000,
0.0000

■ 49.4696, 56.0919,
42.8698

■ 49.4696, 56.0919,
42.8698

■ 46.5138, 54.7626,
34.0264

■ 52.7637, 57.5657,
53.2405

■ 43.8778, 53.5645,
26.6345

■ 56.4049, 59.1818,
65.2022

■ 41.5477, 52.4940,
20.6172


■ 60.4072, 60.9478,
78.8195


■ 39.5068, 51.5444,
15.8894


■ 64.7824, 62.8684,
94.1522


■ 37.7366, 50.7083,
12.3561


■ 68.0577, 64.3547,
103.4424


 36.2161, 49.9770,
9.9094


 69.6307, 65.1656,
103.5160


 34.9208, 49.3408,
8.4221

 71.2527, 66.0018,
103.5919

 33.8082, 48.7827,
7.6743

 72.9239, 66.8633,
103.6701

 33.7344, 48.7455,
7.6308

 74.6449, 67.7505,
103.7507

Harmonies

Analogous

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



53.4611, 56.0919, 40.6117



49.4696, 56.0919, 42.8698



46.6410, 56.0919, 49.8298

Triad

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



49.4696, 56.0919, 42.8698



49.2273, 56.0919, 83.2974



61.8703, 56.0919, 61.4973

Complementary

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



49.4696, 56.0919, 42.8698



40.9937, 39.3444, 61.3139

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.



60.5942, 56.0919, 73.8952



49.4696, 56.0919, 42.8698



53.1665, 56.0919, 87.4635

Square

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



49.4696, 56.0919, 42.8698



46.5064, 56.0919, 73.0687



57.3519, 56.0919, 83.8173



60.7547, 56.0919, 50.4705

Rectangle

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



49.4696, 56.0919, 42.8698



45.7192, 56.0919, 56.7208



57.3519, 56.0919, 83.8173



61.7057, 56.0919, 65.6455

Sweetspot

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



49.4711, 56.0944, 42.8710



91.2545, 98.3167, 96.3720



45.8656, 44.9940, 40.9184



19.4467, 21.0058, 20.3488



0.0000, 0.0000, 0.0000



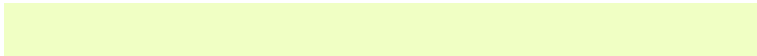
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4711, 56.0944, 42.8710



81.6840, 94.0391, 66.2798



44.9116, 53.7439, 42.6576



11.8620, 12.9463, 11.9531



21.7928, 31.4099, 4.9141



1.1921, 1.6554, 0.2567

Inverse Universe

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



40.9937, 39.3444, 61.3139



64.8459, 60.7651, 102.9188



45.5614, 41.6992, 61.5276



10.8670, 10.9807, 14.1171



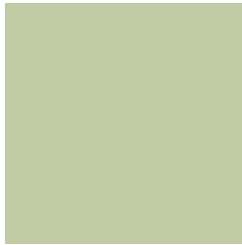
7.8361, 3.2472, 36.1700



0.4767, 0.2049, 1.8694

Previews

White Background



This preview shows how the XYZ color 49.4696, 56.0919, 42.8698 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 49.4696, 56.0919, 42.8698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

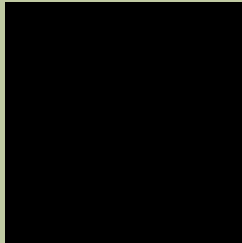
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

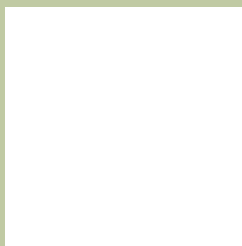
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4696, 56.0919, 42.8698

Background



This preview shows how black text looks on a background with the XYZ color 49.4696, 56.0919, 42.8698.



This preview shows how white text looks on a background with the XYZ color 49.4696, 56.0919,

42.8698.

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

49.4696, 56.0919, 42.8698

Protanopia

52.6938, 56.0610, 41.7618

Deuteranopia

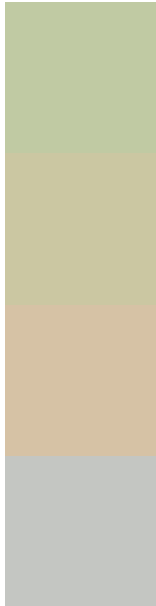
56.9749, 55.9110, 43.8654



Tritanopia

54.8262, 55.8755, 69.5234

Trichromacy



Original Color

49.4696, 56.0919, 42.8698

Protanomaly

51.5736, 56.1520, 42.3026

Deuteranomaly

53.8149, 55.5963, 43.4921

Tritanomaly

52.6966, 56.0190, 59.0743

Monochromacy



Original Color

49.4696, 56.0919, 42.8698

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.9895, 55.2764, 52.7817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4696, 56.0919, 42.8698 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(192, 202, 163)` looks like.

```
.text, #text, p{  
    color:rgb(192, 202, 163)  
}
```

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(192, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 202, 163) }
```

Border

The CSS property to change the border of an element to XYZ 49.4696, 56.0919, 42.8698 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(192, 202, 163) }
```


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

```
.border{ border-color:rgb(192, 202, 163) }
```

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

Here you see how a box with a 4 pixel rgb(192, 202, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(192, 202,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4696, 56.0919, 42.8698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 202, 163) }
```

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

```
.background{ background-color: rgb(192,  
202, 163) }
```

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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