

Converting Colors

XYZ(49.8300, 56.1188, 44.2023)

Have a look what the booklet for
XYZ(49.8300, 56.1188, 44.2023)
contains.

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Color

**XYZ(49.9958, 56.3317,
44.3144)**

Conversions

Conversions Part 1

Format	Color
Hex	C1CAA6
RGB	193, 202, 166
RGB Percent	76%, 79%, 65%
CMY	0.2431, 0.2078, 0.3490
CMYK	0.04, 0.00, 0.18, 0.21
HSL	75°, 25%, 72%
HSV	75°, 18%, 79%
XYZ	49.9958, 56.3317, 44.3144
YIQ	195.2050, 6.1920, -13.1040

Conversions

Conversions Part 2

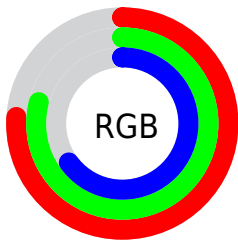
Format	Color
RYB	166, 202, 175
Decimal	12700326
CIELab	79.80, -9.32, 16.96
CIElCh	80, 19.356, 118.800
Yxy	56.3317, 0.3319, 0.3739
Android (android.graphics.Color)	4290890406 (0xFFC1CAA6)
YUV	195.2050, -14.3981, -1.9338
Hunter-Lab	75.0544, -12.4416, 17.5315

Details

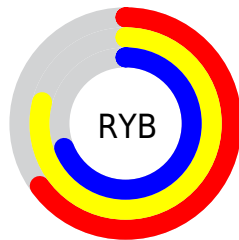
The XYZ color **49.9958, 56.3317, 44.3144** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.9782, 40.6521, 61.5143**, and the grayscale version is **52.0758, 54.7878, 59.6639**.

A 20% lighter version of the original color is **88.2355, 97.0645, 82.4914**, and **24.2746, 27.8837, 20.0223** is the 20% darker color. If you saturate the color by 10%, you get **47.0210, 54.9974, 35.2504**, and if you desaturate by 10%, it is **53.3087, 57.8101, 54.9159**.

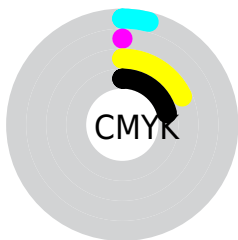
Distribution



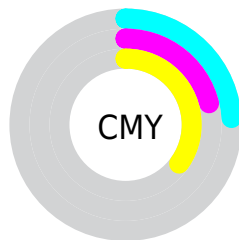
- Red (76%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)



- Cyan (24%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9958, 56.3317, 44.3144 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 49.9958, 56.3317, 44.3144 by changing the saturation by 10% instead.

■ 49.9958, 56.3317,
44.3144

■ 49.9958, 56.3317,
44.3144

377.1018,
410.9403, 380.0686

■ 35.6278, 40.4689,
30.5787

■ 89.3605, 99.4894,
82.9981

■ 24.3157, 27.9044,
20.0225

■ 115.0880,
127.5531, 108.7833

■ 15.6940, 18.2536,
12.2272

145.3327,
160.4526, 139.4221

■ 9.3973, 11.1322,
6.7742

180.4599,
198.5722, 175.3330

■ 5.0604, 6.1558,
3.2450

220.8351,
242.2964, 216.9345

■ 2.3179, 2.9401,
1.2210

266.8236,

■ 0.8038, 1.1005,

292.0096, 264.6453

0.0000

318.7907,
348.0961, 318.8838

■ 0.0000, 0.0000,
0.0000

■ 49.9958, 56.3317,
44.3144

■ 49.9958, 56.3317,
44.3144

■ 47.0210, 54.9974,
35.2504

■ 53.3087, 57.8101,
54.9159

■ 44.3658, 53.7941,
27.6488

■ 56.9684, 59.4304,
67.1179

■ 42.0166, 52.7182,
21.4338

■ 60.9886, 61.2002,
80.9845

■ 39.9571, 51.7631,
16.5213

■ 65.3810, 63.1240,
96.5751

■ 38.1691, 50.9214,
12.8180

■ 68.1631, 64.4090,
103.4473

■ 36.6321, 50.1850,
10.2183

■ 69.6995, 65.2011,
103.5192

■ 35.3221, 49.5442,
8.5985

■ 71.2824, 66.0171,
103.5933

■ 34.2045, 48.9850,
7.7786

■ 72.9121, 66.8572,
103.6696

■ 33.9744, 48.8692,
7.6421

■ 74.5891, 67.7217,
103.7481

Harmonies

Analogous

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



53.6994, 56.3317, 42.2051



49.9958, 56.3317, 44.3144



47.3564, 56.3317, 50.8302

Triad

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



49.9958, 56.3317, 44.3144



49.7354, 56.3317, 81.6896



61.4271, 56.3317, 61.7883

Complementary

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



49.9958, 56.3317, 44.3144



41.9782, 40.6521, 61.5143

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.



60.2432, 56.3317, 73.1972



49.9958, 56.3317, 44.3144



53.3841, 56.3317, 85.5173

Square

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



49.9958, 56.3317, 44.3144



47.2112, 56.3317, 72.3208



57.2512, 56.3317, 82.2375



60.4139, 56.3317, 51.5233

Rectangle

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



49.9958, 56.3317, 44.3144



46.4905, 56.3317, 57.2421



57.2512, 56.3317, 82.2375



61.2719, 56.3317, 65.6198

Sweetspot

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



49.9973, 56.3342, 44.3156



91.9012, 98.6061, 98.3906



46.5720, 45.9714, 42.4959



19.5786, 21.0649, 20.7556



0.0000, 0.0000, 0.0000



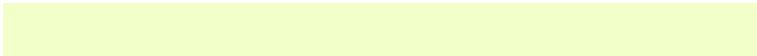
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9973, 56.3342, 44.3156



82.8390, 94.5661, 69.4233



45.6845, 54.1108, 44.1138



11.8692, 12.9500, 11.9535



21.9460, 31.4889, 4.9213



1.1989, 1.6589, 0.2570

Inverse Universe

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



41.9782, 40.6521, 61.5143



67.0198, 63.6266, 103.3566



46.2911, 42.8755, 61.7162



10.8603, 10.9773, 14.1168



7.7926, 3.2248, 36.1680



0.4736, 0.2033, 1.8692

Previews

White Background



This preview shows how the XYZ color 49.9958, 56.3317, 44.3144 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 49.9958, 56.3317, 44.3144 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

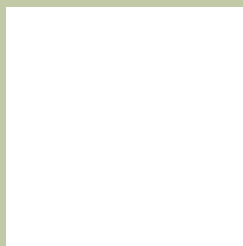
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9958, 56.3317, 44.3144

Background



This preview shows how black text looks on a background with the XYZ color 49.9958, 56.3317, 44.3144.



This preview shows how white text looks on a background with the XYZ color 49.9958, 56.3317,

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

49.9958, 56.3317, 44.3144

Protanopia

52.9616, 56.1682, 43.1721

Deuteranopia

57.1599, 55.9850, 44.8393



Tritanopia

55.0510, 56.3251, 69.5984

Trichromacy



Original Color

49.9958, 56.3317, 44.3144

Protanomaly

51.8436, 56.2600, 43.7241

Deuteranomaly

54.2912, 55.8207, 44.4722

Tritanomaly

53.0704, 56.1986, 59.6801

Monochromacy



Original Color

49.9958, 56.3317, 44.3144

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.0939, 55.3182, 53.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9958, 56.3317, 44.3144 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(193, 202, 166)` looks like.

```
.text, #text, p{  
    color:rgb(193, 202, 166)  
}
```

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(193, 202, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 202, 166) }
```

Border

The CSS property to change the border of an element to XYZ 49.9958, 56.3317, 44.3144 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(193, 202, 166) }
```


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

```
.border{ border-color:rgb(193, 202, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 202, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(193, 202,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9958, 56.3317, 44.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 202, 166) }
```

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

```
.background{ background-color: rgb(193,  
202, 166) }
```

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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