

Converting Colors

XYZ(49.4598, 55.9449, 45.6569)

Have a look what the booklet for
XYZ(49.4598, 55.9449, 45.6569)
contains.

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Color

**XYZ(49.5172, 56.0528,
45.7456)**

Conversions

Conversions Part 1

Format	Color
Hex	BECAA9
RGB	190, 202, 169
RGB Percent	75%, 79%, 66%
CMY	0.2549, 0.2078, 0.3372
CMYK	0.06, 0.00, 0.16, 0.21
HSL	82°, 24%, 73%
HSV	82°, 16%, 79%
XYZ	49.5172, 56.0528, 45.7456
YIQ	194.6500, 3.4410, -12.8070

Conversions

Conversions Part 2

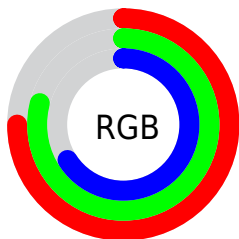
Format	Color
RYB	169, 202, 181
Decimal	12503721
CIELab	79.64, -9.93, 15.11
CIElCh	80, 18.083, 123.323
Yxy	56.0528, 0.3272, 0.3704
Android (android.graphics.Color)	4290693801 (0xFFBECAA9)
YUV	194.6500, -12.6454, -4.0780
Hunter-Lab	74.8684, -12.9617, 16.1809

Details

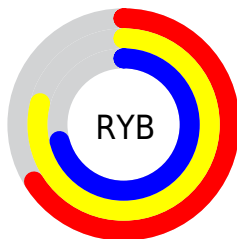
The XYZ color **49.5172, 56.0528, 45.7456** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.9069, 42.4655, 61.7627**, and the grayscale version is **51.7362, 54.4305, 59.2748**.

A 20% lighter version of the original color is **87.2206, 96.4946, 84.5493**, and **23.9541, 27.6984, 20.9134** is the 20% darker color. If you saturate the color by 10%, you get **45.9768, 54.4318, 36.4338**, and if you desaturate by 10%, it is **53.4462, 57.8436, 56.6073**.

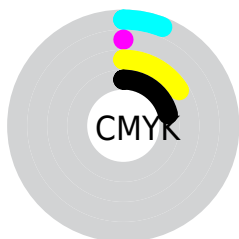
Distribution



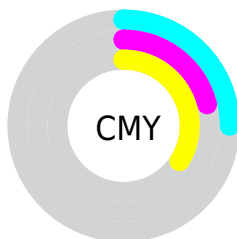
- Red (75%)
- Green (79%)
- Blue (66%)



- Red (66%)
- Yellow (79%)
- Blue (71%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)



- Cyan (25%)
- Magenta (21%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5172, 56.0528, 45.7456 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 49.5172, 56.0528, 45.7456 by changing the saturation by 10% instead.

■ 49.5172, 56.0528,
45.7456

■ 49.5172, 56.0528,
45.7456

375.2582,
409.8904, 386.0328

■ 35.2462, 40.2453,
31.6979

■ 88.6552, 99.0818,
85.1684

■ 24.0200, 27.7298,
20.8680

114.2529,
127.0720, 111.3806

■ 15.4732, 18.1221,
12.8372

144.3569,
159.8919, 142.4847

■ 9.2407, 11.0377,
7.1871

179.3325,
197.9259, 178.8992

■ 4.9569, 6.0922,
3.4992

219.5451,
241.5583, 221.0428

■ 2.2565, 2.9012,
1.3548

265.3600,

■ 0.7722, 1.0804,

291.1736, 269.3339

0.1061

317.1425,
347.1562, 324.1910

■ 0.0000, 0.0000,
0.0000

■ 49.5172, 56.0528,
45.7456

■ 49.5172, 56.0528,
45.7456

■ 45.9768, 54.4318,
36.4338

■ 53.4462, 57.8436,
56.6073

■ 42.8056, 52.9672,
28.5976

■ 57.7732, 59.8027,
69.0814

■ 39.9895, 51.6549,
22.1620

■ 62.5127, 61.9377,
83.2315

■ 37.5112, 50.4880,
17.0441

■ 67.6772, 64.2538,
99.1164

■ 35.3518, 49.4587,
13.1520

■ 70.7675, 65.7516,
103.5692

■ 33.4903, 48.5584,
10.3822

■ 73.1313, 66.9702,
103.6798

■ 31.9022, 47.7772,
8.6141

■ 75.5951, 68.2403,
103.7951

■ 30.5567, 47.1026,
7.6936

■ 78.1601, 69.5626,
103.9152

■ 30.1039, 46.8738,
7.4609

■ 80.4117, 70.7233,
104.0206

Harmonies

Analogous

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



52.8711, 56.0528, 43.1022



49.5172, 56.0528, 45.7456



47.2545, 56.0528, 52.4545

Triad

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



49.5172, 56.0528, 45.7456



50.1907, 56.0528, 80.7879



60.5862, 56.0528, 59.8754

Complementary

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



49.5172, 56.0528, 45.7456



43.9069, 42.4655, 61.7627

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.



59.7896, 56.0528, 70.4970



49.5172, 56.0528, 45.7456



53.6840, 56.0528, 83.3503

Square

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



49.5172, 56.0528, 45.7456



47.6307, 56.0528, 72.7398



57.2214, 56.0528, 79.3927



59.3517, 56.0528, 50.6531

Rectangle

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



49.5172, 56.0528, 45.7456



46.6124, 56.0528, 58.7273



57.2214, 56.0528, 79.3927



60.5473, 56.0528, 63.3962

Sweetspot

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



49.5187, 56.0552, 45.7468



91.3790, 98.3369, 98.3661



47.9531, 48.2881, 44.3301



19.4514, 20.9994, 20.7497



0.0000, 0.0000, 0.0000



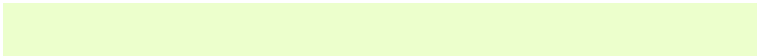
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5187, 56.0552, 45.7468



81.4008, 93.7897, 70.9397



45.7282, 54.1012, 45.5694



11.7428, 12.8848, 11.9475



19.4711, 30.2130, 4.8055



1.0859, 1.6006, 0.2517

Inverse Universe

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



43.9069, 42.4655, 61.7627



69.9358, 66.0223, 103.6653



47.8897, 44.5187, 61.9490



10.9806, 11.0393, 14.1224



8.7409, 3.7136, 36.2124



0.5336, 0.2342, 1.8720

Previews

White Background



This preview shows how the XYZ color 49.5172, 56.0528, 45.7456 looks on a white background.

Color Contrast Check

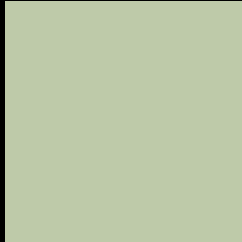
Large Text (above 18pt) WCAG AA × Fail

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 49.5172, 56.0528, 45.7456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

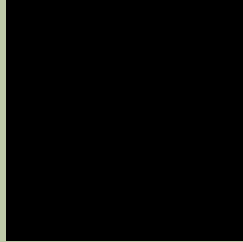
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

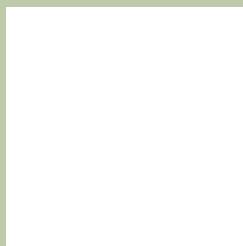
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5172, 56.0528, 45.7456

Background



This preview shows how black text looks on a background with the XYZ color 49.5172, 56.0528, 45.7456.



This preview shows how white text looks on a background with the XYZ color 49.5172, 56.0528,

45.7456.

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

49.5172, 56.0528, 45.7456

Protanopia

52.8616, 56.0956, 44.1178

Deuteranopia

56.8155, 55.7747, 46.2992



Tritanopia

54.3885, 55.9691, 70.2239

Trichromacy



Original Color

49.5172, 56.0528, 45.7456

Protanomaly

51.4859, 56.0544, 44.6652

Deuteranomaly

53.6989, 55.4829, 45.9092

Tritanomaly

52.4060, 55.8430, 60.2412

Monochromacy



Original Color

49.5172, 56.0528, 45.7456

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.0493, 55.2708, 54.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5172, 56.0528, 45.7456 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(190, 202, 169)` looks like.

```
.text, #text, p{  
    color:rgb(190, 202, 169)  
}
```

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(190, 202, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 202, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.5172, 56.0528, 45.7456 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(190, 202, 169) }
```


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

```
.border{ border-color:rgb(190, 202, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 202, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 202, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 202, 169);  
box-shadow:4px 4px 4px 4px rgb(190, 202,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5172, 56.0528, 45.7456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 202, 169) }
```

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

```
.background{ background-color: rgb(190,  
202, 169) }
```

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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