

Converting Colors

XYZ(49.6873, 54.4168, 45.9151)

Have a look what the booklet for
XYZ(49.6873, 54.4168, 45.9151)
contains.

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Color

**XYZ(49.7276, 54.4369,
45.9167)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C5AA
RGB	195, 197, 170
RGB Percent	76%, 77%, 67%
CMY	0.2353, 0.2274, 0.3333
CMYK	0.01, 0.00, 0.14, 0.23
HSL	64°, 19%, 72%
HSV	64°, 14%, 77%
XYZ	49.7276, 54.4369, 45.9167
YIQ	193.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

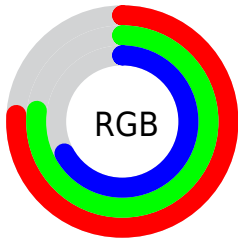
Format	Color
RYB	170, 197, 172
Decimal	12830122
CIELab	78.72, -5.36, 13.32
CIELCh	79, 14.363, 111.933
Yxy	54.4369, 0.3313, 0.3627
Android (android.graphics.Color)	4291020202 (0xFFC3C5AA)
YUV	193.3240, -11.4987, 1.4699
Hunter-Lab	73.7814, -8.8109, 14.7487

Details

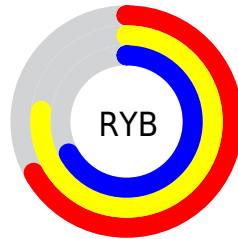
The XYZ color **49.7276, 54.4369, 45.9167** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.4683, 41.5529, 58.6612**, and the grayscale version is **50.9429, 53.5959, 58.3659**.

A 20% lighter version of the original color is **89.1773, 97.0153, 85.2598**, and **24.0770, 26.6156, 21.0079** is the 20% darker color. If you saturate the color by 10%, you get **47.6265, 53.5548, 36.8084**, and if you desaturate by 10%, it is **52.1147, 55.4374, 56.4984**.

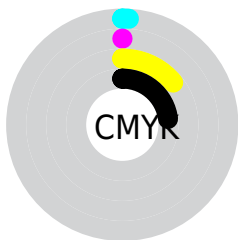
Distribution



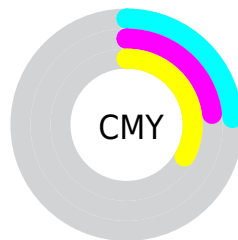
- Red (76%)
- Green (77%)
- Blue (67%)



- Red (67%)
- Yellow (77%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (14%)
- Black (23%)



- Cyan (24%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7276, 54.4369, 45.9167 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 49.7276, 54.4369, 45.9167 by changing the saturation by 10% instead.

■ 49.7276, 54.4369,
45.9167

■ 49.7276, 54.4369,
45.9167

376.0694,
403.7739, 386.7415

■ 35.4139, 38.9511,
31.8319

■ 88.9654, 96.7154,
85.4273

■ 24.1499, 26.7217,
20.9694

114.6202,
124.2769, 111.6902

■ 15.5702, 17.3643,
12.9106

144.7861,
156.6324, 142.8495

■ 9.3094, 10.4946,
7.2370

179.8284,
194.1663, 179.3238

■ 5.0023, 5.7281,
3.5301

220.1126,
237.2630, 221.5316

■ 2.2834, 2.6805,
1.3713

266.0039,

■ 0.7861, 0.9673,

286.3069, 269.8914

0.1191

317.8677,
341.6824, 324.8219

■ 0.0000, 0.0000,
0.0000

■ 49.7276, 54.4369,
45.9167

■ 49.7276, 54.4369,
45.9167

■ 47.6265, 53.5548,
36.8084

■ 52.1147, 55.4374,
56.4984

■ 45.7945, 52.7790,
29.1048

■ 54.7949, 56.5538,
68.6113

■ 44.2199, 52.1066,
22.7371


■ 57.7808, 57.7929,
82.3141


■ 42.8881, 51.5317,
17.6289


■ 61.0827, 59.1588,
97.6614


■ 41.7832, 51.0480,
13.6966


■ 62.4591, 59.7549,
102.8496


 40.8874, 50.6484,
10.8462


 62.8575, 59.9603,
102.8683


 40.1801, 50.3246,
8.9694

 63.2597, 60.1676,
102.8871

 39.6365, 50.0666,
7.9355

 63.6656, 60.3769,
102.9061

 39.3490, 49.9264,
7.5628

 64.0753, 60.5881,
102.9253

Harmonies

Analogous

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



52.5107, 54.4369, 45.0974



49.7276, 54.4369, 45.9167



47.5594, 54.4369, 50.1432

Triad

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



49.7276, 54.4369, 45.9167



48.4462, 54.4369, 72.4574



57.3379, 54.4369, 61.4943

Complementary

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



49.7276, 54.4369, 45.9167



41.4683, 41.5529, 58.6612

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.



56.1600, 54.4369, 69.4477



49.7276, 54.4369, 45.9167



50.9781, 54.4369, 76.1445

Square

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



49.7276, 54.4369, 45.9167



46.8387, 54.4369, 65.3082



53.8073, 54.4369, 74.9955



56.9732, 54.4369, 53.6207

Rectangle

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



49.7276, 54.4369, 45.9167



46.7208, 54.4369, 54.5535



53.8073, 54.4369, 74.9955



57.1077, 54.4369, 64.2561

Sweetspot

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



49.7291, 54.4393, 45.9179



93.1729, 99.2170, 100.4663



44.9980, 44.2030, 44.1914



19.8694, 21.2059, 21.1753



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.



49.7291, 54.4393, 45.9179



88.0577, 97.0754, 77.8486



46.4446, 52.7461, 45.7642



11.4432, 12.3754, 11.3483



25.9112, 32.8530, 4.9756



1.2506, 1.5678, 0.2367

Inverse Universe

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



41.4683, 41.5529, 58.6612



70.8305, 70.2012, 104.4248



44.5346, 43.1336, 58.8047



10.1284, 10.3245, 13.3765



6.7820, 2.7305, 34.9139



0.3470, 0.1426, 1.6544

Previews

White Background



This preview shows how the XYZ color 49.7276, 54.4369, 45.9167 looks on a white background.

Color Contrast Check

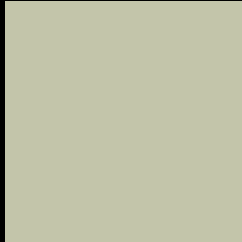
Large Text (above 18pt) WCAG AA × Fail

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 49.7276, 54.4369, 45.9167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

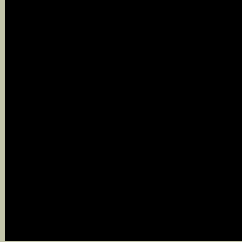
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

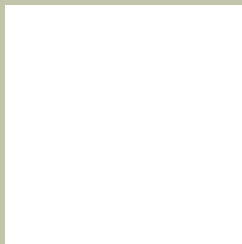
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7276, 54.4369, 45.9167

Background



This preview shows how black text looks on a background with the XYZ color 49.7276, 54.4369, 45.9167.



This preview shows how white text looks on a background with the XYZ color 49.7276, 54.4369,

45.9167.

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

49.7276, 54.4369, 45.9167

Protanopia

51.3551, 54.2855, 45.3076

Deuteranopia

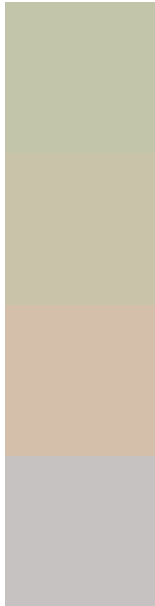
55.5538, 54.4746, 46.6164



Tritanopia

53.9315, 54.4836, 66.7054

Trichromacy



Original Color

49.7276, 54.4369, 45.9167

Protanomaly

50.7639, 54.3123, 45.3439

Deuteranomaly

53.1329, 54.1989, 46.1891

Tritanomaly

52.3181, 54.4844, 58.7980

Monochromacy



Original Color

49.7276, 54.4369, 45.9167

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2969, 53.5557, 53.5853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7276, 54.4369, 45.9167 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(195, 197, 170)` looks like.

```
.text, #text, p{  
    color:rgb(195, 197, 170)  
}
```

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(195, 197, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 197, 170) }
```

Border

The CSS property to change the border of an element to XYZ 49.7276, 54.4369, 45.9167 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(195, 197, 170) }
```


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

```
.border{ border-color:rgb(195, 197, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 197, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 197, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 197, 170);  
box-shadow:4px 4px 4px 4px rgb(195, 197,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7276, 54.4369, 45.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 197, 170) }
```

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

```
.background{ background-color: rgb(195,  
197, 170) }
```

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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