

Converting Colors

XYZ(45.1052, 49.2297, 54.2947)

Have a look what the booklet for
XYZ(45.1052, 49.2297, 54.2947)
contains.

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Color

**XYZ(45.0717, 49.2132,
54.1373)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BDBB
RGB	176, 189, 187
RGB Percent	69%, 74%, 73%
CMY	0.3098, 0.2588, 0.2667
CMYK	0.07, 0.00, 0.01, 0.26
HSL	171°, 9%, 72%
HSV	171°, 7%, 74%
XYZ	45.0717, 49.2132, 54.1373
YIQ	184.8850, -7.1060, -3.3780

Conversions

Conversions Part 2

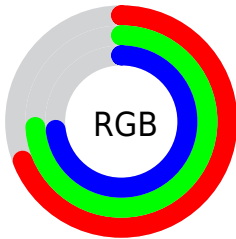
Format	Color
RYB	176, 183, 189
Decimal	11582907
CIELab	75.58, -4.85, -0.54
CIElCh	76, 4.883, 186.359
Yxy	49.2132, 0.3037, 0.3316
Android (android.graphics.Color)	4289772987 (0xFFB0BDBB)
YUV	184.8850, 1.0427, -7.7921
Hunter-Lab	70.1521, -8.0826, 3.3516

Details

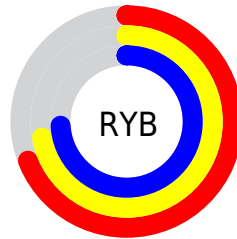
The XYZ color **45.0717, 49.2132, 54.1373** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5492, 45.0850, 48.4760**, and the grayscale version is **46.0485, 48.4467, 52.7584**.

A 20% lighter version of the original color is **82.1088, 88.9317, 97.6320**, and **21.2756, 23.5405, 25.9767** is the 20% darker color. If you saturate the color by 10%, you get **40.7840, 47.0398, 52.3269**, and if you desaturate by 10%, it is **49.9636, 51.7000, 56.0111**.

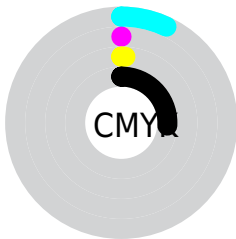
Distribution



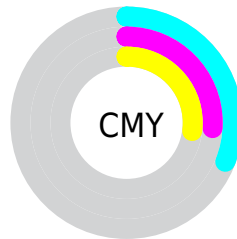
- Red (69%)
- Green (74%)
- Blue (73%)



- Red (69%)
- Yellow (72%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0717, 49.2132, 54.1373 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 45.0717, 49.2132, 54.1373 by changing the saturation by 10% instead.

■ 45.0717, 49.2132,
54.1373

■ 45.0717, 49.2132,
54.1373

357.8427,
383.5810, 419.8228

■ 31.7154, 34.7886,
38.3175

■ 82.0644, 89.0080,
97.7342

■ 21.2987, 23.5001,
25.9255

106.4315,
115.1471, 126.3485

■ 13.4562, 14.9632,
16.5426

135.1997,
145.9597, 160.0646

■ 7.8226, 8.7936,
9.7504

168.7341,
181.8304, 199.3012

■ 4.0325, 4.6068,
5.1304

207.4003,
223.1435, 244.4768

■ 1.7205, 2.0185,
2.2639

251.5636,

■ 0.4691, 0.6182,

270.2833, 296.0099

0.7109

301.5892,
323.6344, 354.3190

■ 0.0000, 0.0000,
0.0000

■ 45.0717, 49.2132,
54.1373

■ 45.0717, 49.2132,
54.1373

■ 40.7840, 47.0398,
52.3269

■ 49.9636, 51.7000,
56.0111

■ 37.0718, 45.1610,
50.5751

■ 55.4784, 54.5059,
57.9461

■ 33.9102, 43.5654,
48.8818

■ 61.6395, 57.6442,
59.9448

■ 31.2712, 42.2384,
47.2453

■ 68.4677, 61.1257,
62.0083

■ 29.1239, 41.1642,
45.6640

■ 70.0471, 61.9005,
63.8599

■ 27.4344, 40.3253,
44.1362

■ 70.3942, 62.0394,
65.6877

■ 26.1644, 39.7020,
42.6599

■ 70.7478, 62.1808,
67.5500

■ 25.2691, 39.2711,
41.2327

■ 71.1081, 62.3249,
69.4469

■ 24.6876, 39.0013,
39.8515

■ 71.4749, 62.4717,
71.3785

Harmonies

Analogous

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



45.2035, 49.2132, 51.6160



45.0717, 49.2132, 54.1373



45.3917, 49.2132, 56.5863

Triad

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



45.0717, 49.2132, 54.1373



47.8123, 49.2132, 57.6887



47.4752, 49.2132, 49.1587

Complementary

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



45.0717, 49.2132, 54.1373



44.5492, 45.0850, 48.4760

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.



48.1875, 49.2132, 50.6914



45.0717, 49.2132, 54.1373



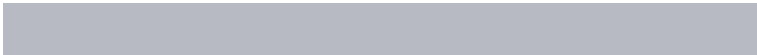
48.3839, 49.2132, 55.6031

Square

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



45.0717, 49.2132, 54.1373



46.9682, 49.2132, 58.6787



48.5221, 49.2132, 53.0361



46.5837, 49.2132, 48.7946

Rectangle

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



45.0717, 49.2132, 54.1373



45.8207, 49.2132, 57.8309



48.5221, 49.2132, 53.0361



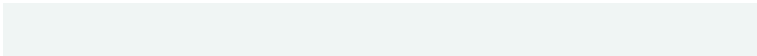
47.7439, 49.2132, 49.5519

Sweetspot

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



45.0731, 49.2153, 54.1384



84.8306, 90.2268, 98.5689



44.4339, 49.0167, 48.1941



18.2621, 19.4129, 21.2043



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



45.0731, 49.2153, 54.1384



79.7051, 87.6239, 96.5460



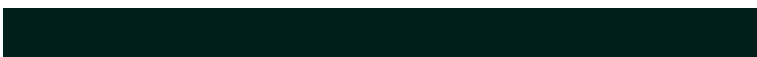
44.3706, 47.4646, 54.9697



9.7437, 10.7836, 11.8998



16.5293, 26.2020, 26.6476



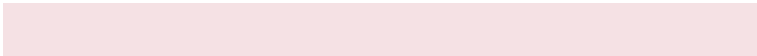
0.6648, 1.0333, 1.1350

Inverse Universe

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



44.5492, 45.0850, 48.4760



78.6060, 78.9582, 84.6658



45.2131, 46.7322, 47.7121



9.5885, 9.5597, 10.2220



14.2888, 7.3467, 1.5486



0.5789, 0.2955, 0.1619

Previews

White Background



This preview shows how the XYZ color 45.0717, 49.2132, 54.1373 looks on a white background.

Color Contrast Check

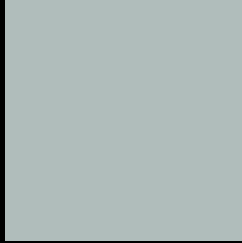
Large Text (above 18pt) WCAG AA × Fail

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 45.0717, 49.2132, 54.1373 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

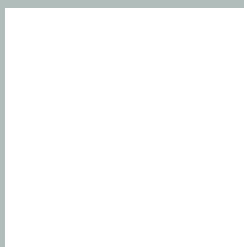
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0717, 49.2132, 54.1373

Background



This preview shows how black text looks on a background with the XYZ color 45.0717, 49.2132, 54.1373.



This preview shows how white text looks on a background with the XYZ color 45.0717, 49.2132, 54.1373.

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

45.0717, 49.2132, 54.1373

Protanopia

47.0922, 49.0195, 52.8786

Deuteranopia

50.1352, 49.0131, 54.9622



Tritanopia

46.7911, 49.2699, 62.9210

Trichromacy



Original Color

45.0717, 49.2132, 54.1373

Protanomaly

46.1890, 48.8533, 53.4496

Deuteranomaly

48.0029, 48.8353, 54.4731

Tritanomaly

46.1927, 49.3448, 59.9132

Monochromacy



Original Color

45.0717, 49.2132, 54.1373

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7132, 48.6081, 53.4273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0717, 49.2132, 54.1373 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(176, 189, 187) looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 187)  
}
```

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(176, 189, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 187) }
```

Border

The CSS property to change the border of an element to XYZ 45.0717, 49.2132, 54.1373 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(176, 189, 187) }
```


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

```
.border{ border-color:rgb(176, 189, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 189, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 189, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 189, 187);  
box-shadow:4px 4px 4px 4px rgb(176, 189,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0717, 49.2132, 54.1373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 187) }
```

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

```
.background{ background-color: rgb(176,  
189, 187) }
```

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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