

Converting Colors

XYZ(45.2466, 49.2026, 51.2111)

Have a look what the booklet for
XYZ(45.2466, 49.2026, 51.2111)
contains.

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Color

**XYZ(45.2491, 49.0471,
51.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BCB6
RGB	180, 188, 182
RGB Percent	71%, 74%, 71%
CMY	0.2941, 0.2627, 0.2863
CMYK	0.04, 0.00, 0.03, 0.26
HSL	135°, 6%, 72%
HSV	135°, 4%, 74%
XYZ	45.2491, 49.0471, 51.3381
YIQ	184.9240, -2.8420, -3.5620

Conversions

Conversions Part 2

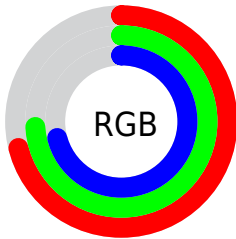
Format	Color
R_YB	180, 186, 188
Decimal	11844790
CIE Lab	75.48, -3.90, 2.06
CIE LCh	75, 4.409, 152.134
Yxy	49.0471, 0.3107, 0.3368
Android (android.graphics.Color)	4290034870 (0xFFB4BCB6)
YUV	184.9240, -1.4415, -4.3183
Hunter-Lab	70.0336, -7.2291, 5.5611

Details

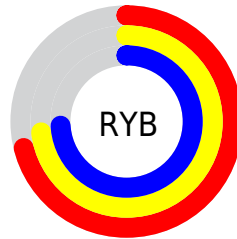
The XYZ color **45.2491, 49.0471, 51.3381** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9250, 46.8803, 53.0851**, and the grayscale version is **46.0819, 48.4817, 52.7966**.

A 20% lighter version of the original color is **82.3754, 88.7073, 93.6695**, and **21.3788, 23.4250, 24.1636** is the 20% darker color. If you saturate the color by 10%, you get **39.7811, 46.3896, 43.8540**, and if you desaturate by 10%, it is **51.4603, 52.0735, 59.6252**.

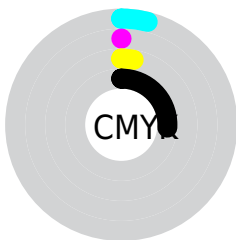
Distribution



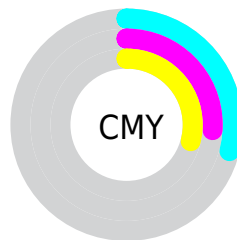
- Red (71%)
- Green (74%)
- Blue (71%)



- Red (71%)
- Yellow (73%)
- Blue (74%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (29%)
- Magenta (26%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2491, 49.0471, 51.3381 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 45.2491, 49.0471, 51.3381 by changing the saturation by 10% instead.

■ 45.2491, 49.0471,
51.3381

■ 45.2491, 49.0471,
51.3381

358.5482,
382.9277, 408.7599

■ 31.8558, 34.6568,
36.0992

■ 82.3289, 88.7614,
93.5710

■ 21.4064, 23.3987,
24.2205

106.7460,
114.8542, 121.4020

■ 13.5355, 14.8882,
15.2835

135.5685,
145.6167, 154.2674

■ 7.8779, 8.7409,
8.8698

169.1617,
181.4333, 192.5858

■ 4.0680, 4.5726,
4.5607

207.8909,
222.6882, 236.7757

■ 1.7407, 1.9987,
1.9377

252.1214,

■ 0.4815, 0.6067,

269.7660, 287.2557

0.5166

302.2188,
323.0511, 344.4442

■ 0.0000, 0.0000,
0.0000

■ 45.2491, 49.0471,
51.3381

■ 45.2491, 49.0471,
51.3381

■ 39.7811, 46.3896,
43.8540

■ 51.4603, 52.0735,
59.6252

■ 35.0242, 44.0809,
37.1458

■ 58.4372, 55.4758,
68.7350

■ 30.9498, 42.1081,
31.1897

■ 66.2064, 59.2687,
78.6905

■ 27.5260, 40.4553,
25.9591

■ 74.7170, 63.4254,
89.5092

■ 24.7182, 39.1052,
21.4263

■ 76.8761, 64.2891,
100.8785

■ 22.4884, 38.0390,
17.5615

■ 77.2741, 64.4483,
102.9747

■ 20.7944, 37.2354,
14.3329

■ 19.5878, 36.6703,
11.7060

■ 18.8111, 36.3147,
9.6428

Harmonies

Analogous

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



45.7910, 49.0471, 49.7009



45.2491, 49.0471, 51.3381



45.0726, 49.0471, 53.5709

Triad

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



45.2491, 49.0471, 51.3381



46.6761, 49.0471, 58.0051



47.9545, 49.0471, 51.0573

Complementary

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



45.2491, 49.0471, 51.3381



45.9250, 46.8803, 53.0851

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.



48.1979, 49.0471, 53.2374



45.2491, 49.0471, 51.3381



47.4545, 49.0471, 57.2865

Square

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



45.2491, 49.0471, 51.3381



45.8908, 49.0471, 57.4614



48.0138, 49.0471, 55.5245



47.3525, 49.0471, 49.5421

Rectangle

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



45.2491, 49.0471, 51.3381



45.1844, 49.0471, 55.1090



48.0138, 49.0471, 55.5245



48.0812, 49.0471, 51.7344

Sweetspot

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



45.2505, 49.0492, 51.3392



85.5030, 90.5923, 97.7449



46.5055, 49.7199, 50.3265



18.3994, 19.4875, 21.0362



90.7827, 95.5105, 104.0109



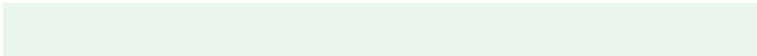
18.6292, 19.5994, 21.3438

Same Dimension

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



45.2505, 49.0492, 51.3392



81.1377, 88.4675, 91.8664



45.6560, 49.2114, 53.4745



9.9738, 10.9162, 11.2774



12.6186, 24.6377, 6.0546



0.5215, 0.9760, 0.3805

Inverse Universe

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



45.9250, 46.8803, 53.0851



82.5891, 83.8008, 95.6230



45.5191, 46.7180, 50.9478



10.1715, 10.2805, 11.7891



17.4254, 8.6013, 18.0657



0.7073, 0.3468, 0.8378

Previews

White Background



This preview shows how the XYZ color 45.2491, 49.0471, 51.3381 looks on a white background.

Color Contrast Check

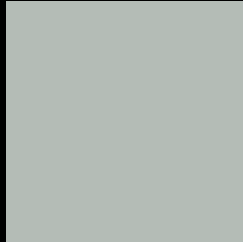
Large Text (above 18pt) WCAG AA × Fail

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 45.2491, 49.0471, 51.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

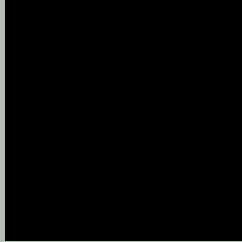
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

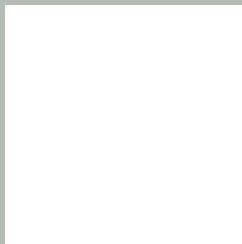
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2491, 49.0471, 51.3381

Background



This preview shows how black text looks on a background with the XYZ color 45.2491, 49.0471, 51.3381.



This preview shows how white text looks on a background with the XYZ color 45.2491, 49.0471,

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

45.2491, 49.0471, 51.3381

Protanopia

46.8224, 48.9404, 50.1586

Deuteranopia

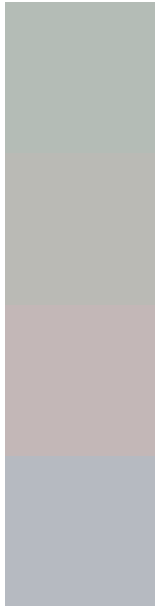
49.8748, 48.9406, 52.1652



Tritanopia

47.3027, 48.9353, 61.5959

Trichromacy



Original Color

45.2491, 49.0471, 51.3381

Protanomaly

46.1491, 48.8931, 50.7211

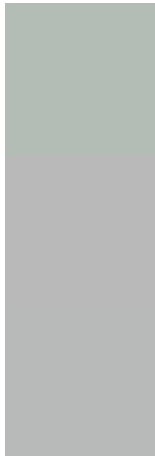
Deuteranomaly

47.9864, 48.8880, 51.7069

Tritanomaly

46.4759, 48.9132, 57.4437

Monochromacy



Original Color

45.2491, 49.0471, 51.3381

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7391, 48.6458, 52.3263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2491, 49.0471, 51.3381 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(180, 188, 182)` looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 182)  
}
```

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(180, 188, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 182) }
```

Border

The CSS property to change the border of an element to XYZ 45.2491, 49.0471, 51.3381 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(180, 188, 182) }
```


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

```
.border{ border-color:rgb(180, 188, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 188, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 182);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2491, 49.0471, 51.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 182) }
```

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

```
.background{ background-color: rgb(180,  
188, 182) }
```

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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