

Converting Colors

XYZ(45.4001, 49.7628, 51.7233)

Have a look what the booklet for
XYZ(45.4001, 49.7628, 51.7233)
contains.

XYZ(45.4474, 49.7880, 51.4707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.4474, 49.7880,
51.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BEB6
RGB	179, 190, 182
RGB Percent	70%, 75%, 71%
CMY	0.2980, 0.2549, 0.2863
CMYK	0.06, 0.00, 0.04, 0.25
HSL	136°, 8%, 72%
HSV	136°, 6%, 75%
XYZ	45.4474, 49.7880, 51.4707
YIQ	185.7990, -3.9880, -4.8200

Conversions

Conversions Part 2

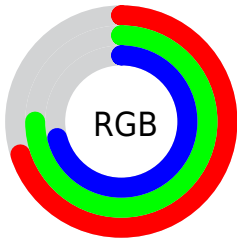
Format	Color
R_{YB}	179, 188, 190
Decimal	11779766
CIE Lab	75.94, -5.30, 2.72
CIE LCh	76, 5.959, 152.874
Yxy	49.7880, 0.3098, 0.3394
Android (android.graphics.Color)	4289969846 (0xFFB3BEB6)
YUV	185.7990, -1.8729, -5.9627
Hunter-Lab	70.5606, -8.5110, 6.1431

Details

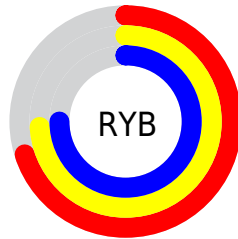
The XYZ color **45.4474, 49.7880, 51.4707** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.3268, 46.7766, 53.6033**, and the grayscale version is **46.5726, 48.9980, 53.3588**.

A 20% lighter version of the original color is **82.6493, 89.7467, 93.8557**, and **21.5123, 23.9119, 24.2505** is the 20% darker color. If you saturate the color by 10%, you get **39.9966, 47.1364, 44.1247**, and if you desaturate by 10%, it is **51.6471, 52.8122, 59.5897**.

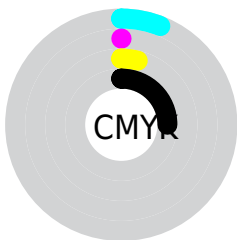
Distribution



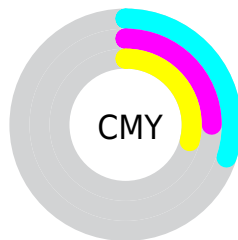
- Red (70%)
- Green (75%)
- Blue (71%)



- Red (70%)
- Yellow (74%)
- Blue (75%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)



- Cyan (30%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4474, 49.7880, 51.4707 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 45.4474, 49.7880, 51.4707 by changing the saturation by 10% instead.

■ 45.4474, 49.7880,
51.4707

■ 45.4474, 49.7880,
51.4707

359.3358,
385.8363, 409.2884

■ 32.0128, 35.2450,
36.2040

■ 82.6243, 89.8607,
93.7688

■ 21.5268, 23.8516,
24.3009

107.0973,
116.1591, 121.6373

■ 13.6243, 15.2236,
15.3427

135.9804,
147.1449, 154.5434

■ 7.9398, 8.9765,
8.9110

169.6391,
183.2023, 192.9058

■ 4.1079, 4.7258,
4.5871

208.4386,
224.7157, 237.1430

■ 1.7634, 2.0873,
1.9527

252.7443,

■ 0.4954, 0.6575,

272.0696, 287.6734

0.5259

302.9216,
325.6483, 344.9158

■ 0.0000, 0.0000,
0.0000

■ 45.4474, 49.7880,
51.4707

■ 45.4474, 49.7880,
51.4707

■ 39.9966, 47.1364,
44.1247

■ 51.6471, 52.8122,
59.5897

■ 35.2619, 44.8367,
37.5258

■ 58.6186, 56.2161,
68.5001

■ 31.2141, 42.8758,
31.6515

■ 66.3890, 60.0148,
78.2236

■ 27.8205, 41.2374,
26.4769

■ 74.9816, 64.2197,
88.7802

■ 25.0456, 39.9036,
21.9758

■ 77.0830, 65.0602,
99.8458

■ 22.8503, 38.8550,
18.1202

■ 77.7044, 65.3088,
103.1181

■ 21.1911, 38.0696,
14.8802

■ 20.0179, 37.5224,
12.2233

■ 19.2686, 37.1820,
10.1140

Harmonies

Analogous

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



46.1727, 49.7880, 49.2364



45.4474, 49.7880, 51.4707



45.2218, 49.7880, 54.5178

Triad

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



45.4474, 49.7880, 51.4707



47.4291, 49.7880, 60.5487



49.1376, 49.7880, 50.9594

Complementary

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



45.4474, 49.7880, 51.4707



46.3268, 46.7766, 53.6033

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.



49.4862, 49.7880, 53.9047



45.4474, 49.7880, 51.4707



48.4902, 49.7880, 59.5091

Square

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



45.4474, 49.7880, 51.4707



46.3554, 49.7880, 59.8360



49.2475, 49.7880, 57.0462



48.3020, 49.7880, 48.9495

Rectangle

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



45.4474, 49.7880, 51.4707



45.3823, 49.7880, 56.6220



49.2475, 49.7880, 57.0462



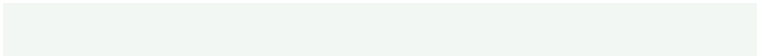
49.3162, 49.7880, 51.8688

Sweetspot

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



45.4488, 49.7901, 51.4718



86.4158, 92.2010, 98.6325



47.0619, 50.6572, 49.9460



19.0008, 20.2585, 21.6912



92.9021, 97.7402, 106.4391



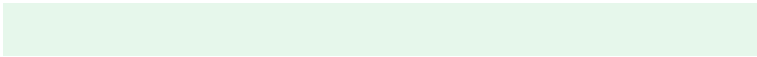
19.4759, 20.4902, 22.3138

Same Dimension

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



45.4488, 49.7901, 51.4718



80.9726, 89.5487, 91.4297



46.0217, 50.0193, 54.4884



9.7432, 10.8034, 10.9921



12.6819, 24.6630, 6.3877



0.5253, 0.9775, 0.4006

Inverse Universe

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



46.3268, 46.7766, 53.6033



82.9097, 82.8999, 96.1322



45.7557, 46.5481, 50.5958



9.9888, 9.9604, 11.5884



17.2144, 8.5169, 16.9545



0.7004, 0.3441, 0.8016

Previews

White Background



This preview shows how the XYZ color 45.4474, 49.7880, 51.4707 looks on a white background.

Color Contrast Check

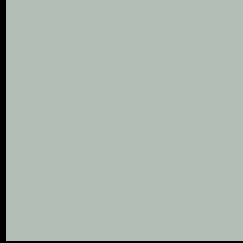
Large Text (above 18pt) WCAG AA × Fail

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 45.4474, 49.7880, 51.4707 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

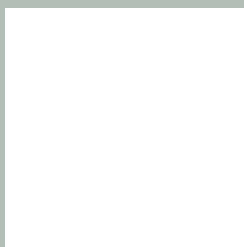
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4474, 49.7880, 51.4707

Background



This preview shows how black text looks on a background with the XYZ color 45.4474, 49.7880, 51.4707.



This preview shows how white text looks on a background with the XYZ color 45.4474, 49.7880,

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

45.4474, 49.7880, 51.4707

Protanopia

47.5354, 49.6196, 50.2522

Deuteranopia

50.6292, 49.6303, 52.2585



Tritanopia

47.7224, 49.7500, 62.9646

Trichromacy



Original Color

45.4474, 49.7880, 51.4707

Protanomaly

46.6043, 49.4416, 50.8029

Deuteranomaly

48.4527, 49.4356, 51.7880

Tritanomaly

46.8896, 49.7303, 58.7573

Monochromacy



Original Color

45.4474, 49.7880, 51.4707

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.0557, 49.1107, 52.9509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4474, 49.7880, 51.4707 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(179, 190, 182)` looks like.

```
.text, #text, p{  
    color:rgb(179, 190, 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(179, 190, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 190, 182) }
```

Border

The CSS property to change the border of an element to XYZ 45.4474, 49.7880, 51.4707 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(179, 190, 182) }
```


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

```
.border{ border-color:rgb(179, 190, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 190, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 190, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 190, 182);  
box-shadow:4px 4px 4px 4px rgb(179, 190,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4474, 49.7880, 51.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 190, 182) }
```

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

```
.background{ background-color: rgb(179,  
190, 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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