

Converting Colors

XYZ(45.7769, 49.6013, 53.0602)

Have a look what the booklet for
XYZ(45.7769, 49.6013, 53.0602)
contains.

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Color

**XYZ(45.7769, 49.6013,
53.0602)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BDB9
RGB	180, 189, 185
RGB Percent	71%, 74%, 73%
CMY	0.2941, 0.2588, 0.2745
CMYK	0.05, 0.00, 0.02, 0.26
HSL	153°, 6%, 72%
HSV	153°, 5%, 74%
XYZ	45.7769, 49.6013, 53.0602
YIQ	185.8530, -4.0800, -3.1520

Conversions

Conversions Part 2

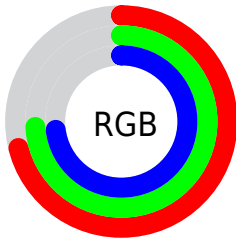
Format	Color
R_{YB}	180, 186, 189
Decimal	11845049
CIE Lab	75.82, -3.86, 0.93
CIE LCh	76, 3.975, 166.456
Yxy	49.6013, 0.3084, 0.3342
Android (android.graphics.Color)	4290035129 (0xFFB4BDB9)
YUV	185.8530, -0.4205, -5.1331
Hunter-Lab	70.4282, -7.2279, 4.6310

Details

The XYZ color **45.7769, 49.6013, 53.0602** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9610, 46.9232, 51.9845**, and the grayscale version is **46.5949, 49.0215, 53.3844**.

A 20% lighter version of the original color is **83.1217, 89.4886, 96.1111**, and **21.7214, 23.7863, 25.2762** is the 20% darker color. If you saturate the color by 10%, you get **40.8125, 47.1430, 48.3334**, and if you desaturate by 10%, it is **51.3965, 52.3942, 58.0935**.

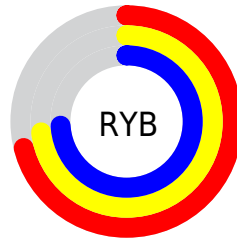
Distribution



Red (71%)

Green (74%)

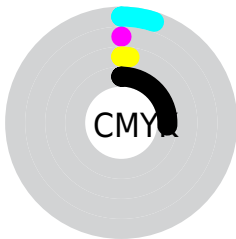
Blue (73%)



Red (71%)

Yellow (73%)

Blue (74%)

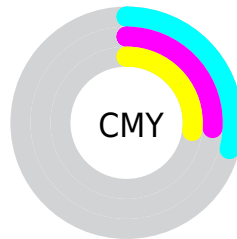


Cyan (5%)

Magenta (0%)

Yellow (2%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7769, 49.6013, 53.0602 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 45.7769, 49.6013, 53.0602 by changing the saturation by 10% instead.

■ 45.7769, 49.6013,
53.0602

■ 45.7769, 49.6013,
53.0602

360.6420,
385.1047, 415.5889

■ 32.2737, 35.0967,
37.4628

■ 83.1149, 89.5839,
96.1354

■ 21.7272, 23.7374,
25.2674

107.6804,
115.8306, 124.4502

■ 13.7721, 15.1389,
16.0556

136.6641,
146.7602, 157.8413

■ 8.0429, 8.9169,
9.4087

170.4312,
182.7571, 196.7271

■ 4.1745, 4.6870,
4.9083

209.3473,
224.2055, 241.5263

■ 1.8013, 2.0648,
2.1357

253.7775,

■ 0.5185, 0.6447,

271.4901, 292.6572

0.6369

304.0873,
324.9950, 350.5386

■ 0.0000, 0.0000,
0.0000

■ 45.7769, 49.6013,
53.0602

■ 45.7769, 49.6013,
53.0602

■ 40.8125, 47.1430,
48.3334

■ 51.3965, 52.3942,
58.0935

■ 36.4742, 45.0000,
43.9039

■ 57.6909, 55.5273,
63.4358

■ 32.7367, 43.1610,
39.7669

■ 64.6837, 59.0143,
69.0935

■ 29.5713, 41.6111,
35.9160

■ 72.1743, 62.7515,
75.0617

■ 26.9469, 40.3345,
32.3446

■ 73.3065, 63.2043,
81.0238

■ 24.8294, 39.3137,
29.0460

■ 74.4954, 63.6799,
87.2841

■ 23.1805, 38.5291,
26.0129

■ 75.7416, 64.1784,
93.8467

■ 21.9560, 37.9580,
23.2376

■ 77.0460, 64.7001,
100.7158

■ 21.1026, 37.5731,
20.7119

■ 77.4886, 64.8772,
103.0462

Harmonies

Analogous

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



46.1223, 49.6013, 51.2528



45.7769, 49.6013, 53.0602



45.7952, 49.6013, 55.1681

Triad

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



45.7769, 49.6013, 53.0602



47.5481, 49.6013, 58.0039



48.1300, 49.6013, 51.1117

Complementary

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



45.7769, 49.6013, 53.0602



45.9610, 46.9232, 51.9845

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.



48.5201, 49.6013, 52.8630



45.7769, 49.6013, 53.0602



48.1818, 49.6013, 56.8589

Square

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



45.7769, 49.6013, 53.0602



46.8126, 49.6013, 58.0601



48.5392, 49.6013, 54.9658



47.4780, 49.6013, 50.1478

Rectangle

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



45.7769, 49.6013, 53.0602



46.0112, 49.6013, 56.4612



48.5392, 49.6013, 54.9658



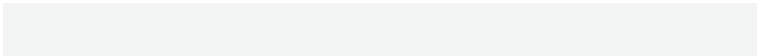
48.2964, 49.6013, 51.6257

Sweetspot

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



45.7783, 49.6034, 53.0613



85.6162, 90.6376, 98.3408



46.2167, 49.8893, 50.3743



18.4225, 19.4967, 21.1578



90.7827, 95.5105, 104.0109



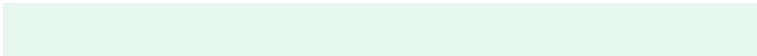
18.6292, 19.5994, 21.3438

Same Dimension

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



45.7783, 49.6034, 53.0613



80.7332, 88.2143, 93.8684



46.1103, 49.5815, 55.2866



9.9406, 10.8926, 11.5698



13.9972, 25.1892, 13.3141



0.5807, 0.9997, 0.6924

Inverse Universe

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



45.9610, 46.9232, 51.9845



81.1484, 82.1261, 91.4224



45.6382, 46.9397, 49.8355



9.9956, 10.0858, 11.2457



15.2351, 7.7252, 6.5317



0.6297, 0.3158, 0.4293

Previews

White Background



This preview shows how the XYZ color 45.7769, 49.6013, 53.0602 looks on a white background.

Color Contrast Check

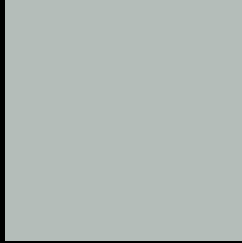
Large Text (above 18pt) WCAG AA × Fail

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 45.7769, 49.6013, 53.0602 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

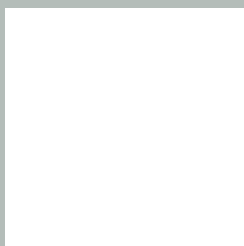
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7769, 49.6013, 53.0602

Background



This preview shows how black text looks on a background with the XYZ color 45.7769, 49.6013, 53.0602.



This preview shows how white text looks on a background with the XYZ color 45.7769, 49.6013,

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

45.7769, 49.6013, 53.0602

Protanopia

47.5920, 49.6131, 51.8677

Deuteranopia

50.6704, 49.6147, 53.9197



Tritanopia

47.8414, 49.8250, 62.3540

Trichromacy



Original Color

45.7769, 49.6013, 53.0602

Protanomaly

46.9156, 49.5661, 52.4419

Deuteranomaly

48.7684, 49.5619, 53.4504

Tritanomaly

47.1250, 49.8517, 58.7683

Monochromacy



Original Color

45.7769, 49.6013, 53.0602

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4004, 49.2762, 53.5201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7769, 49.6013, 53.0602 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, 189, 185)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 185)  
}
```

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, 189, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 185) }
```

Border

The CSS property to change the border of an element to XYZ 45.7769, 49.6013, 53.0602 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, 189, 185) }
```


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

```
.border{ border-color:rgb(180, 189, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 189, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 185);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7769, 49.6013, 53.0602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 185) }
```

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

```
.background{ background-color: rgb(180,  
189, 185) }
```

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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