

Converting Colors

XYZ(48.5291, 51.4471, 55.4506)

Have a look what the booklet for
XYZ(48.5291, 51.4471, 55.4506)
contains.

XYZ(48.3378, 51.1924, 55.4776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(48.3378, 51.1924,
55.4776)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBEBD
RGB	188, 190, 189
RGB Percent	74%, 75%, 74%
CMY	0.2627, 0.2549, 0.2588
CMYK	0.01, 0.00, 0.01, 0.25
HSL	150°, 2%, 74%
HSV	150°, 1%, 75%
XYZ	48.3378, 51.1924, 55.4776
YIQ	189.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

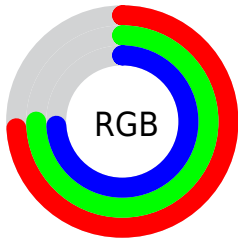
Format	Color
RYB	188, 189, 190
Decimal	12369597
CIELab	76.80, -0.88, 0.25
CIElCh	77, 0.911, 163.997
Yxy	51.1924, 0.3118, 0.3303
Android (android.graphics.Color)	4290559677 (0xFFBCBEBD)
YUV	189.2880, -0.1420, -1.1296
Hunter-Lab	71.5489, -4.6174, 4.1119

Details

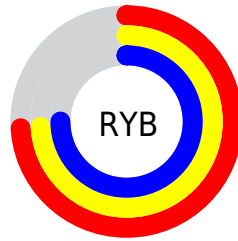
The XYZ color **48.3378, 51.1924, 55.4776** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.4056, 50.5890, 55.3600**, and the grayscale version is **48.5370, 51.0647, 55.6095**.

A 20% lighter version of the original color is **86.7454, 91.7372, 99.5213**, and **23.3813, 24.8198, 26.8509** is the 20% darker color. If you saturate the color by 10%, you get **42.9629, 48.5384, 50.0111**, and if you desaturate by 10%, it is **54.3997, 54.1956, 61.3321**.

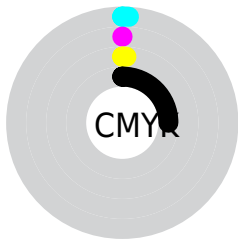
Distribution



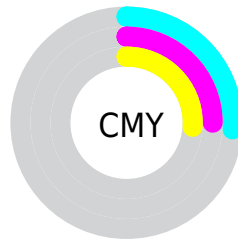
- Red (74%)
- Green (75%)
- Blue (74%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3378, 51.1924, 55.4776 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 48.3378, 51.1924, 55.4776 by changing the saturation by 10% instead.

■ 48.3378, 51.1924,
55.4776

■ 48.3378, 51.1924,
55.4776

370.6899,
391.3108, 425.0527

■ 34.3068, 36.3618,
39.3831

■ 86.9138, 91.9391,
99.7185

■ 23.2934, 24.7137,
26.7477

112.1895,
118.6240, 128.7020

■ 14.9322, 15.8639,
17.1531

141.9443,
150.0290, 162.8188

■ 8.8578, 9.4279,
10.1806

176.5433,
186.5386, 202.4876

■ 4.7049, 5.0213,
5.4117

216.3520,
228.5372, 248.1268

■ 2.1082, 2.2598,
2.4279

261.7358,

■ 0.6936, 0.7523,

276.4092, 300.1550

0.8016

313.0600,
330.5389, 358.9908

■ 0.0000, 0.0000,
0.0000

■ 48.3378, 51.1924,
55.4776

■ 48.3378, 51.1924,
55.4776

■ 42.9629, 48.5384,
50.0111

■ 54.3997, 54.1956,
61.3321

■ 38.2453, 46.2142,
44.9213

■ 61.1680, 57.5535,
67.5788

■ 34.1599, 44.2083,
40.2011

■ 68.6668, 61.2800,
74.2264

■ 30.6779, 42.5062,
35.8422

■ 73.5276, 63.6382,
81.1233

■ 27.7683, 41.0919,
31.8355

■ 74.8781, 64.1784,
88.2349

■ 25.3975, 39.9483,
28.1719

■ 76.3023, 64.7480,
95.7347

■ 23.5277, 39.0562,
24.8417

■ 77.7044, 65.3089,
103.1181

■ 22.1162, 38.3936,
21.8347

■ 21.1125, 37.9348,
19.1399

Harmonies

Analogous

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



48.4262, 51.1924, 55.0573



48.3378, 51.1924, 55.4776



48.3348, 51.1924, 55.9705

Triad

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



48.3378, 51.1924, 55.4776



48.7373, 51.1924, 56.6693



48.8965, 51.1924, 55.0807

Complementary

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



48.3378, 51.1924, 55.4776



48.4056, 50.5890, 55.3600

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.



48.9803, 51.1924, 55.5097



48.3378, 51.1924, 55.4776



48.8883, 51.1924, 56.4279

Square

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



48.3378, 51.1924, 55.4776



48.5652, 51.1924, 56.6606



48.9773, 51.1924, 56.0029



48.7486, 51.1924, 54.8291

Rectangle

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



48.3378, 51.1924, 55.4776



48.3816, 51.1924, 56.2742



48.9773, 51.1924, 56.0029



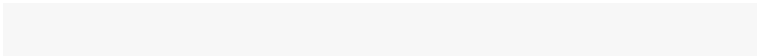
48.9331, 51.1924, 55.2089

Sweetspot

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



48.3392, 51.1946, 55.4787



88.6918, 93.3107, 101.6153



48.4869, 51.2832, 54.9208



19.4759, 20.4902, 22.3138



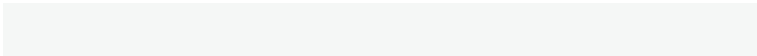
92.9021, 97.7402, 106.4391

Same Dimension

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



48.3392, 51.1946, 55.4787



87.6327, 92.7867, 100.5694



48.4449, 51.2369, 56.0351



10.6042, 11.2222, 12.1681



13.6528, 25.0514, 11.5003



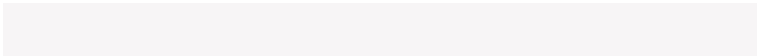
0.5678, 0.9945, 0.6244

Inverse Universe

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



48.4056, 50.5890, 55.3600



87.7486, 91.7289, 100.3620



48.3007, 50.5470, 54.8074



10.6171, 11.1045, 12.1450



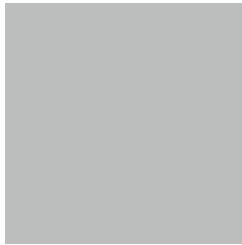
15.5376, 7.8462, 8.1245



0.6416, 0.3206, 0.4921

Previews

White Background



This preview shows how the XYZ color 48.3378, 51.1924, 55.4776 looks on a white background.

Color Contrast Check

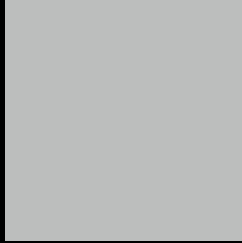
Large Text (above 18pt) WCAG AA × Fail

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 48.3378, 51.1924, 55.4776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

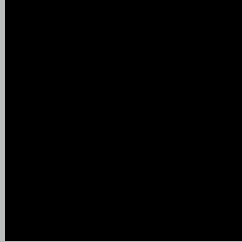
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

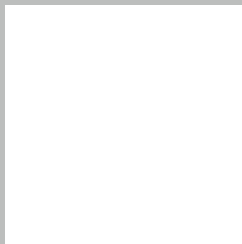
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3378, 51.1924, 55.4776

Background



This preview shows how black text looks on a background with the XYZ color 48.3378, 51.1924, 55.4776.

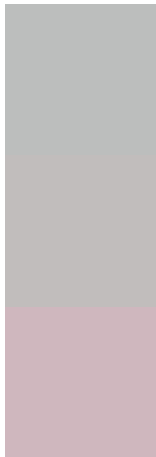


This preview shows how white text looks on a background with the XYZ color 48.3378, 51.1924,

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

48.3378, 51.1924, 55.4776

Protanopia

49.2670, 51.3635, 54.8944

Deuteranopia

51.9599, 50.8501, 55.7917



Tritanopia

49.9979, 51.2254, 63.7522

Trichromacy



Original Color

48.3378, 51.1924, 55.4776

Protanomaly

48.7606, 51.1024, 54.8707

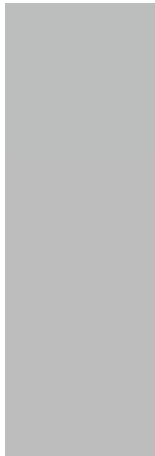
Deuteranomaly

50.6726, 51.1149, 55.9106

Tritanomaly

49.3769, 51.2912, 60.7238

Monochromacy



Original Color

48.3378, 51.1924, 55.4776

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3692, 50.8881, 55.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3378, 51.1924, 55.4776 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(188, 190, 189) looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 189)  
}
```

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(188, 190, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 189) }
```

Border

The CSS property to change the border of an element to XYZ 48.3378, 51.1924, 55.4776 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(188, 190, 189) }
```

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

```
.border{ border-color:rgb(188, 190, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 190, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 189);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
189) }
```


Background

The CSS property to change the background color of an element to XYZ 48.3378, 51.1924, 55.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 189) }
```

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

```
.background{ background-color: rgb(188,  
190, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor