

Converting Colors

XYZ(49.6588, 51.9481, 55.5260)

Have a look what the booklet for
XYZ(49.6588, 51.9481, 55.5260)
contains.

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Color

**XYZ(49.5911, 51.8385,
55.5362)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BEBD
RGB	193, 190, 189
RGB Percent	76%, 75%, 74%
CMY	0.2431, 0.2549, 0.2588
CMYK	0.00, 0.02, 0.02, 0.24
HSL	15°, 3%, 75%
HSV	15°, 2%, 76%
XYZ	49.5911, 51.8385, 55.5362
YIQ	190.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

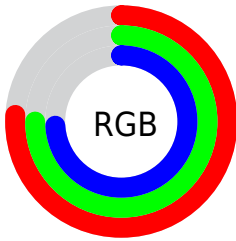
Format	Color
R_{YB}	193, 190, 189
Decimal	12697277
CIE Lab	77.18, 0.87, 0.87
CIE LCh	77, 1.226, 44.908
Yxy	51.8385, 0.3159, 0.3303
Android (android.graphics.Color)	4290887357 (0xFFC1BEBD)
YUV	190.7830, -0.8790, 1.9443
Hunter-Lab	71.9990, -3.0518, 4.6661

Details

The XYZ color **49.5911, 51.8385, 55.5362** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.4616, 52.3677, 57.9539**, and the grayscale version is **49.4009, 51.9736, 56.5992**.

A 20% lighter version of the original color is **88.5041, 92.6438, 99.6036**, and **24.2048, 25.2443, 26.8895** is the 20% darker color. If you saturate the color by 10%, you get **44.6565, 45.1014, 44.2340**, and if you desaturate by 10%, it is **55.1182, 59.3130, 68.4127**.

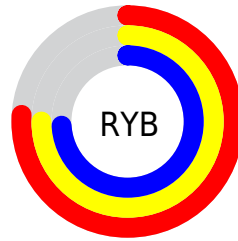
Distribution



Red (76%)

Green (75%)

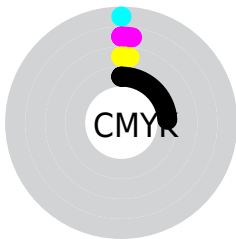
Blue (74%)



Red (76%)

Yellow (75%)

Blue (74%)

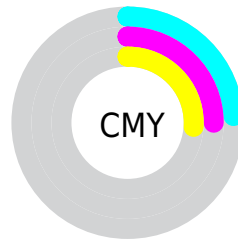


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (24%)



Cyan (24%)

Magenta (25%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5911, 51.8385, 55.5362 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 49.5911, 51.8385, 55.5362 by changing the saturation by 10% instead.

■ 49.5911, 51.8385,
55.5362

■ 49.5911, 51.8385,
55.5362

375.5432,
393.8128, 425.2804

■ 35.3051, 36.8764,
39.4297

■ 88.7642, 92.8930,
99.8051

■ 24.0656, 25.1118,
26.7838

114.3820,
119.7542, 128.8047

■ 15.5073, 16.1604,
17.1799

144.5077,
151.3505, 162.9389

■ 9.2648, 9.6377,
10.1995

179.5067,
188.0663, 202.6265

■ 4.9728, 5.1594,
5.4241

219.7445,
230.2861, 248.2859

■ 2.2659, 2.3411,
2.4351

265.5862,

■ 0.7771, 0.7953,

278.3941, 300.3356

0.8055

317.3973,
332.7749, 359.1943

■ 0.0000, 0.0000,
0.0000

■ 49.5911, 51.8385,
55.5362

■ 49.5911, 51.8385,
55.5362

■ 44.6565, 45.1014,
44.2340

■ 55.1182, 59.3130,
68.4127

■ 40.2901, 39.0727,
34.4420

■ 61.2523, 67.5396,
82.9172

■ 36.4722, 33.7309,
26.0971

■ 68.0130, 76.5410,
99.1054

■ 33.1804, 29.0514,
19.1298

■ 73.5610, 85.5943,
107.2520

■ 30.3907, 25.0078,
13.4656

■ 75.8026, 90.0776,
107.9992

■ 28.0772, 21.5718,
9.0222

■ 26.2113, 18.7132,
5.7083

■ 24.7612, 16.3988,
3.4194

■ 23.6903, 14.5915,
2.0311

Harmonies

Analogous

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



49.7081, 51.8385, 56.1116



49.5911, 51.8385, 55.5362



49.3885, 51.8385, 55.2052

Triad

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



49.5911, 51.8385, 55.5362



48.8367, 51.8385, 56.1076



49.3871, 51.8385, 57.7009

Complementary

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



49.5911, 51.8385, 55.5362



49.4616, 52.3677, 57.9539

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.



49.1536, 51.8385, 57.6998



49.5911, 51.8385, 55.5362



48.8363, 51.8385, 56.7763

Square

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



49.5911, 51.8385, 55.5362



48.9532, 51.8385, 55.5333



48.9522, 51.8385, 57.3603



49.5901, 51.8385, 57.3632

Rectangle

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



49.5911, 51.8385, 55.5362



49.2324, 51.8385, 55.1660



48.9522, 51.8385, 57.3603



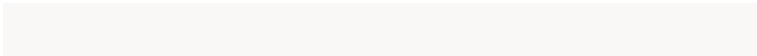
49.3095, 51.8385, 57.7402

Sweetspot

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



49.5926, 51.8407, 55.5373



89.8149, 94.1976, 101.7687



49.7051, 51.5392, 57.1982



19.2787, 20.2227, 21.8569



92.9021, 97.7402, 106.4391



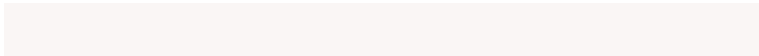
19.4759, 20.4902, 22.3138

Same Dimension

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



49.5926, 51.8407, 55.5373



88.8581, 92.8984, 99.5556



50.0280, 52.7116, 55.6825



11.1156, 11.6268, 12.4758



15.3963, 9.0784, 0.9408



0.7223, 0.5063, 0.0597

Inverse Universe

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



49.4616, 52.3677, 57.9539



88.6281, 93.8236, 103.7989



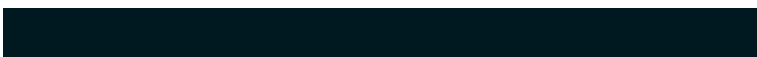
49.0261, 51.4968, 57.8087



11.0891, 11.7335, 12.9652



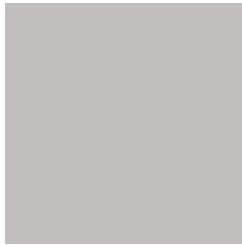
13.1612, 16.0789, 35.9665



0.6207, 0.7989, 1.5714

Previews

White Background



This preview shows how the XYZ color 49.5911, 51.8385, 55.5362 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 49.5911, 51.8385, 55.5362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

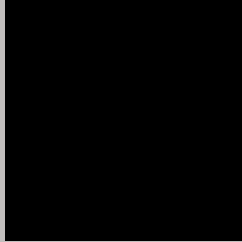
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

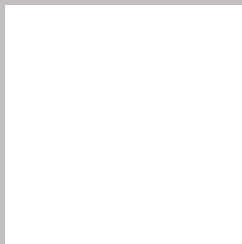
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5911, 51.8385, 55.5362

Background



This preview shows how black text looks on a background with the XYZ color 49.5911, 51.8385, 55.5362.

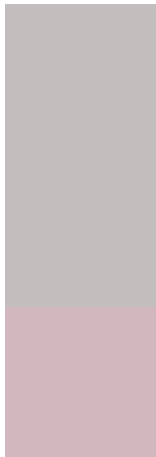


This preview shows how white text looks on a background with the XYZ color 49.5911, 51.8385,

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

49.5911, 51.8385, 55.5362

Protanopia

49.8469, 51.9704, 55.5482

Deuteranopia

52.7292, 51.5540, 55.8870



Tritanopia

51.2684, 51.8803, 63.8117

Trichromacy



Original Color

49.5911, 51.8385, 55.5362

Protanomaly

49.8469, 51.9704, 55.5482

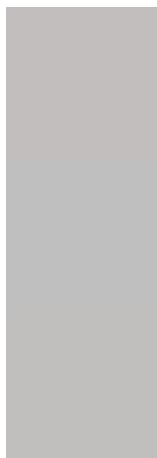
Deuteranomaly

51.4818, 51.5320, 55.9485

Tritanomaly

50.6388, 51.9417, 60.7829

Monochromacy



Original Color

49.5911, 51.8385, 55.5362

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6633, 52.1858, 56.1705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5911, 51.8385, 55.5362 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(193, 190, 189)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 190, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 190, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.5911, 51.8385, 55.5362 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(193, 190, 189) }
```


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

```
.border{ border-color:rgb(193, 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(193, 190, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 190, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 190, 189);  
box-shadow:4px 4px 4px 4px rgb(193, 190,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5911, 51.8385, 55.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 190, 189) }
```

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

```
.background{ background-color: rgb(193,  
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](#).

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