

Converting Colors

XYZ(49.6426, 55.3866, 60.7026)

Have a look what the booklet for
XYZ(49.6426, 55.3866, 60.7026)
contains.

XYZ(49.7871, 55.5078, 60.9133)	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(49.7871, 55.5078,
60.9133)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C9C5
RGB	180, 201, 197
RGB Percent	71%, 79%, 77%
CMY	0.2941, 0.2117, 0.2274
CMYK	0.10, 0.00, 0.02, 0.21
HSL	169°, 16%, 75%
HSV	169°, 10%, 79%
XYZ	49.7871, 55.5078, 60.9133
YIQ	194.2650, -11.2320, -5.6960

Conversions

Conversions Part 2

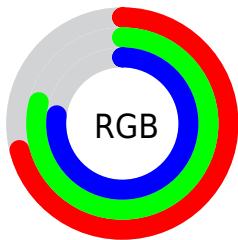
Format	Color
R_{YB}	180, 192, 201
Decimal	11848133
CIE Lab	79.33, -7.86, -0.43
CIE LCh	79, 7.876, 183.124
Yxy	55.5078, 0.2995, 0.3340
Android (android.graphics.Color)	4290038213 (0xFFB4C9C5)
YUV	194.2650, 1.3484, -12.5104
Hunter-Lab	74.5036, -11.0984, 3.6776

Details

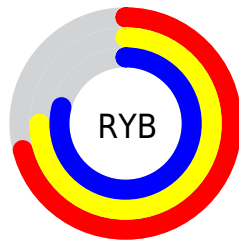
The XYZ color **49.7871, 55.5078, 60.9133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0624, 48.5223, 52.1299**, and the grayscale version is **51.4334, 54.1120, 58.9279**.

A 20% lighter version of the original color is **88.2415, 96.5086, 107.7431**, and **24.1440, 27.3626, 29.9956** is the 20% darker color. If you saturate the color by 10%, you get **45.0098, 53.0966, 58.4281**, and if you desaturate by 10%, it is **55.2573, 58.2779, 63.4915**.

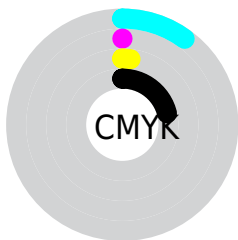
Distribution



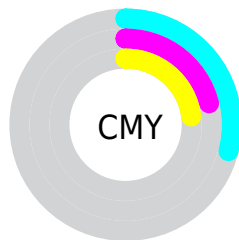
- Red (71%)
- Green (79%)
- Blue (77%)



- Red (71%)
- Yellow (75%)
- Blue (79%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (29%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7871, 55.5078, 60.9133 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 49.7871, 55.5078, 60.9133 by changing the saturation by 10% instead.

■ 49.7871, 55.5078,
60.9133

■ 49.7871, 55.5078,
60.9133

376.2986,
407.8339, 445.8538

■ 35.4614, 39.8084,
43.7251

■ 89.0531, 98.2846,
107.7097

■ 24.1867, 27.3892,
30.1188

114.7240,
126.1307, 138.1550

■ 15.5976, 17.8657,
19.6760

144.9074,
158.7947, 173.8564

■ 9.3289, 10.8536,
11.9780

179.9686,
196.6607, 215.2324

■ 5.0152, 5.9685,
6.6063

220.2730,
240.1132, 262.7016

■ 2.2910, 2.8259,
3.1425

266.1858,

■ 0.7901, 1.0415,

289.5367, 316.6826

1.1678

318.0726,
345.3155, 377.5938

■ 0.0000, 0.0000,
0.0000

■ 49.7871, 55.5078,
60.9133

■ 49.7871, 55.5078,
60.9133

■ 45.0098, 53.0966,
58.4281

■ 55.2573, 58.2779,
63.4915

■ 40.8915, 51.0224,
56.0305

■ 61.4431, 61.4142,
66.1606

■ 37.4026, 49.2713,
53.7197

■ 68.3720, 64.9322,
68.9236

■ 34.5092, 47.8260,
51.4937

■ 74.0525, 67.8053,
71.6877

■ 32.1743, 46.6673,
49.3504

■ 74.5426, 68.0013,
74.2688

■ 30.3565, 45.7740,
47.2873

■ 75.0443, 68.2020,
76.9108

■ 29.0088, 45.1218,
45.3019

■ 75.5577, 68.4073,
79.6140

■ 28.0755, 44.6819,
43.3910

■ 76.0827, 68.6174,
82.3788

■ 27.4711, 44.4087,
41.6304

■ 76.6195, 68.8321,
85.2057

Harmonies

Analogous

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



50.0986, 55.5078, 56.5957



49.7871, 55.5078, 60.9133



50.2585, 55.5078, 65.3114

Triad

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



49.7871, 55.5078, 60.9133



54.4336, 55.5078, 68.0103



54.1417, 55.5078, 53.0157

Complementary

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



49.7871, 55.5078, 60.9133



49.0624, 48.5223, 52.1299

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.



55.3400, 55.5078, 55.8143



49.7871, 55.5078, 60.9133



55.5109, 55.5078, 64.4516

Square

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



49.7871, 55.5078, 60.9133



52.9240, 55.5078, 69.5350



55.8458, 55.5078, 59.9663



52.5933, 55.5078, 52.1722

Rectangle

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



49.7871, 55.5078, 60.9133



50.9590, 55.5078, 67.6580



55.8458, 55.5078, 59.9663



54.5999, 55.5078, 53.7519

Sweetspot

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



49.7887, 55.5101, 60.9145



92.0574, 98.4843, 107.5392



48.9417, 55.2861, 51.2727



19.5370, 20.9951, 22.9405



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.7887, 55.5101, 60.9145



82.8875, 93.8456, 103.1078



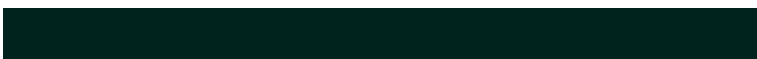
48.8147, 52.8183, 62.8832



10.8567, 12.0316, 13.1954



17.3041, 27.9340, 26.3435



0.8423, 1.3319, 1.3683

Inverse Universe

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



49.0624, 48.5223, 52.1299



81.3484, 79.0337, 84.4888



49.9497, 50.9589, 50.3844



10.7151, 10.6694, 11.4830



15.3940, 7.9071, 2.0185



0.7544, 0.3846, 0.2299

Previews

White Background



This preview shows how the XYZ color 49.7871, 55.5078, 60.9133 looks on a white background.

Color Contrast Check

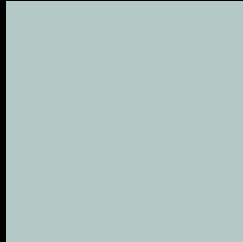
Large Text (above 18pt) WCAG AA × Fail

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 49.7871, 55.5078, 60.9133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

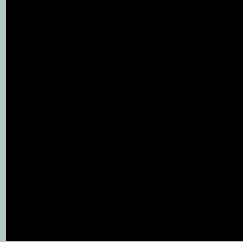
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

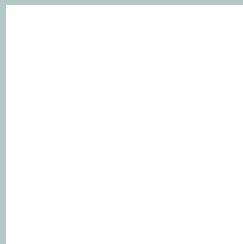
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7871, 55.5078, 60.9133

Background



This preview shows how black text looks on a background with the XYZ color 49.7871, 55.5078, 60.9133.

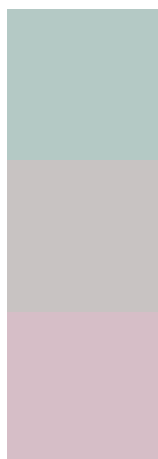


This preview shows how white text looks on a background with the XYZ color 49.7871, 55.5078,

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

49.7871, 55.5078, 60.9133

Protanopia

53.0721, 55.2046, 58.8973

Deuteranopia

56.4538, 55.2466, 61.7210



Tritanopia

51.8601, 55.3105, 71.5610

Trichromacy



Original Color

49.7871, 55.5078, 60.9133

Protanomaly

51.8089, 55.2101, 59.5558

Deuteranomaly

53.8420, 55.2173, 61.2463

Tritanomaly

51.1000, 55.3460, 67.6641

Monochromacy



Original Color

49.7871, 55.5078, 60.9133

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.8028, 54.6915, 59.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7871, 55.5078, 60.9133 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, 201, 197)` looks like.

```
.text, #text, p{  
    color:rgb(180, 201, 197)  
}
```

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, 201, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 201, 197) }
```

Border

The CSS property to change the border of an element to XYZ 49.7871, 55.5078, 60.9133 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, 201, 197) }
```


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

```
.border{ border-color:rgb(180, 201, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 201, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 201, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 201, 197); box-shadow:4px 4px 4px 4px rgb(180, 201, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7871, 55.5078, 60.9133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 201, 197) }
```

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

```
.background{ background-color: rgb(180,  
201, 197) }
```

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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