

Converting Colors

XYZ(49.5938, 55.5068, 48.6578)

Have a look what the booklet for
XYZ(49.5938, 55.5068, 48.6578)
contains.

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Color

**XYZ(49.6108, 55.6873,
48.6914)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC9AF
RGB	189, 201, 175
RGB Percent	74%, 79%, 69%
CMY	0.2588, 0.2117, 0.3137
CMYK	0.06, 0.00, 0.13, 0.21
HSL	88°, 19%, 74%
HSV	88°, 13%, 79%
XYZ	49.6108, 55.6873, 48.6914
YIQ	194.4480, 1.1940, -10.6300

Conversions

Conversions Part 2

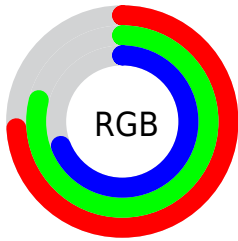
Format	Color
RYB	175, 201, 187
Decimal	12437935
CIELab	79.44, -8.78, 11.60
CIELCh	79, 14.551, 127.126
Yxy	55.6873, 0.3222, 0.3616
Android (android.graphics.Color)	4290628015 (0xFFBDC9AF)
YUV	194.4480, -9.5879, -4.7779
Hunter-Lab	74.6239, -11.9231, 13.5506

Details

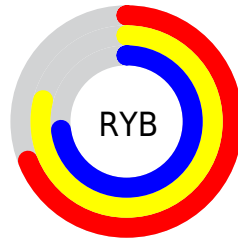
The XYZ color **49.6108, 55.6873, 48.6914** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.3683, 45.4433, 61.5889**, and the grayscale version is **51.5996, 54.2867, 59.1183**.

A 20% lighter version of the original color is **87.8400, 96.7020, 89.6370**, and **24.1622, 27.5317, 22.7796** is the 20% darker color. If you saturate the color by 10%, you get **45.5536, 53.8088, 38.9520**, and if you desaturate by 10%, it is **54.1122, 57.7642, 59.9879**.

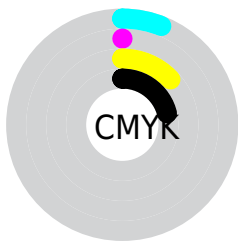
Distribution



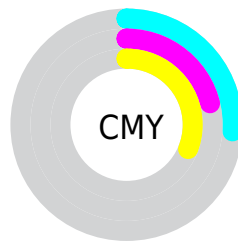
- Red (74%)
- Green (79%)
- Blue (69%)



- Red (69%)
- Yellow (79%)
- Blue (73%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (21%)





- Cyan (26%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6108, 55.6873, 48.6914 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 49.6108, 55.6873, 48.6914 by changing the saturation by 10% instead.


 49.6108, 55.6873,
48.6914

 49.6108, 55.6873,
48.6914


375.6192,
408.5120, 398.1136

 35.3208, 39.9523,
34.0109


 88.7932, 98.5472,
89.6092

 24.0778, 27.5013,
22.6245


114.4164,
126.4409, 116.6835

 15.5164, 17.9501,
14.1138


144.5479,
159.1563, 148.7262

 9.2712, 10.9142,
8.0602

179.5532,
197.0777, 186.1557

 4.9770, 6.0091,
4.0452

219.7976,
240.5896, 229.3907

 2.2684, 2.8506,
1.6502

265.6465,

 0.7784, 1.0543,

290.0763, 278.8497

0.3262

317.4652,
345.9223, 334.9511

■ 0.0000, 0.0000,
0.0000

■ 49.6108, 55.6873,
48.6914

■ 49.6108, 55.6873,
48.6914

■ 45.5536, 53.8088,
38.9520

■ 54.1122, 57.7642,
59.9879

■ 41.9204, 52.1147,
30.6978

■ 59.0682, 60.0383,
72.9019

■ 38.6961, 50.6006,
23.8567

■ 64.4942, 62.5182,
87.4950

■ 35.8625, 49.2588,
18.3491

■ 70.3385, 65.1832,
103.4821

■ 33.4003, 48.0813,
14.0873

■ 73.3296, 66.7252,
103.6221

■ 31.2876, 47.0589,
10.9736

■ 76.4807, 68.3496,
103.7696

■ 29.4999, 46.1814,
8.8951

■ 79.7940, 70.0577,
103.9246

■ 28.0083, 45.4370,
7.7166

■ 80.1778, 70.2556,
103.9426

■ 27.0983, 44.9772,
7.2532

Harmonies

Analogous

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



52.2354, 55.6873, 46.0317



49.6108, 55.6873, 48.6914



47.9208, 55.6873, 54.5937

Triad

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



49.6108, 55.6873, 48.6914



50.7757, 55.6873, 76.6957



58.7005, 55.6873, 58.6602

Complementary

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



49.6108, 55.6873, 48.6914



46.3683, 45.4433, 61.5889

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.



58.2748, 55.6873, 67.1042



49.6108, 55.6873, 48.6914



53.6290, 55.6873, 78.0376

Square

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



49.6108, 55.6873, 48.6914



48.5759, 55.6873, 70.8707



56.3922, 55.6873, 74.3852



57.5350, 55.6873, 51.4338

Rectangle

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



49.6108, 55.6873, 48.6914



47.5152, 55.6873, 59.8311



56.3922, 55.6873, 74.3852



58.7394, 55.6873, 61.4441

Sweetspot

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



49.6123, 55.6897, 48.6926



91.7397, 98.4782, 100.3992



49.5341, 50.9282, 47.7777



19.5059, 21.0185, 21.1583



0.0000, 0.0000, 0.0000



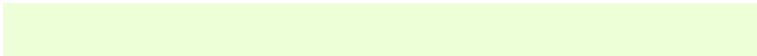
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6123, 55.6897, 48.6926



82.5702, 94.2465, 77.5918



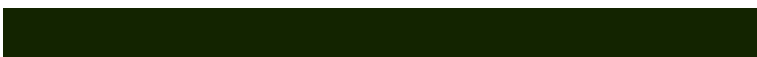
46.5986, 54.1361, 48.5516



11.0337, 12.1643, 11.3292



17.1442, 28.3334, 4.5653



0.8947, 1.3843, 0.2200

Inverse Universe

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



46.3683, 45.4433, 61.5889



75.7628, 72.7439, 104.6556



49.6141, 47.1166, 61.7408



10.5142, 10.5233, 13.3945



9.5570, 4.1611, 35.0438



0.5359, 0.2400, 1.6632

Previews

White Background



This preview shows how the XYZ color 49.6108, 55.6873, 48.6914 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 49.6108, 55.6873, 48.6914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

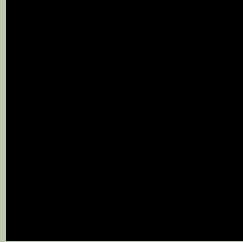
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6108, 55.6873, 48.6914

Background



This preview shows how black text looks on a background with the XYZ color 49.6108, 55.6873, 48.6914.



This preview shows how white text looks on a background with the XYZ color 49.6108, 55.6873,

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

49.6108, 55.6873, 48.6914

Protanopia

52.6399, 55.5802, 46.9834

Deuteranopia

56.7807, 55.6892, 49.3514



Tritanopia

53.7459, 55.6523, 69.5373

Trichromacy



Original Color

49.6108, 55.6873, 48.6914

Protanomaly

51.5563, 55.6847, 47.5661

Deuteranomaly

53.9922, 55.5670, 48.9541

Tritanomaly

52.1254, 55.6719, 61.4245

Monochromacy



Original Color

49.6108, 55.6873, 48.6914

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.6741, 54.7268, 54.9062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6108, 55.6873, 48.6914 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(189, 201, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 201, 175)  
}
```

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(189, 201, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 201, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.6108, 55.6873, 48.6914 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(189, 201, 175) }
```


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

```
.border{ border-color:rgb(189, 201, 175) }
```

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

Here you see how a box with a 4 pixel rgb(189, 201, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 201, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 201, 175);  
box-shadow:4px 4px 4px 4px rgb(189, 201,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6108, 55.6873, 48.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 201, 175) }
```

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

```
.background{ background-color: rgb(189,  
201, 175) }
```

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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