

Converting Colors

XYZ(49.8426, 53.2743, 55.8062)

Have a look what the booklet for
XYZ(49.8426, 53.2743, 55.8062)
contains.

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Color

**XYZ(49.9630, 53.3341,
55.8053)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC2BD
RGB	191, 194, 189
RGB Percent	75%, 76%, 74%
CMY	0.2510, 0.2392, 0.2588
CMYK	0.02, 0.00, 0.03, 0.24
HSL	96°, 4%, 75%
HSV	96°, 3%, 76%
XYZ	49.9630, 53.3341, 55.8053
YIQ	192.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

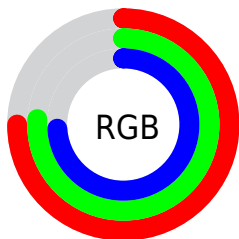
Format	Color
R_{YB}	189, 194, 192
Decimal	12567229
CIE Lab	78.07, -1.95, 2.14
CIE LCh	78, 2.897, 132.429
Yxy	53.3341, 0.3140, 0.3352
Android (android.graphics.Color)	4290757309 (0xFFBFC2BD)
YUV	192.5330, -1.7418, -1.3444
Hunter-Lab	73.0302, -5.6836, 5.8153

Details

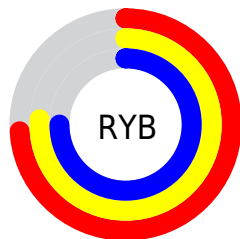
The XYZ color **49.9630, 53.3341, 55.8053** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6755, 51.4981, 58.3637**, and the grayscale version is **50.4259, 53.0519, 57.7735**.

A 20% lighter version of the original color is **89.0248, 94.7379, 99.9803**, and **24.3032, 25.9370, 27.0180** is the 20% darker color. If you saturate the color by 10%, you get **45.1836, 51.0990, 45.3143**, and if you desaturate by 10%, it is **55.2601, 55.8065, 67.7933**.

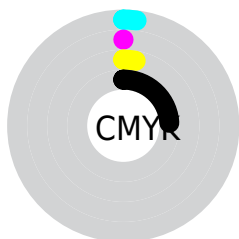
Distribution



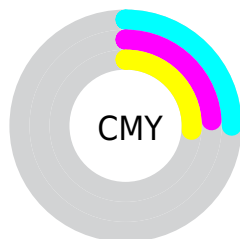
- Red (75%)
- Green (76%)
- Blue (74%)



- Red (74%)
- Yellow (76%)
- Blue (75%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)



- Cyan (25%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9630, 53.3341, 55.8053 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 49.9630, 53.3341, 55.8053 by changing the saturation by 10% instead.

■ 49.9630, 53.3341,
55.8053

■ 49.9630, 53.3341,
55.8053

376.9756,
399.5656, 426.3250

■ 35.6017, 38.0695,
39.6439

■ 89.3122, 95.0958,
100.2028

■ 24.2954, 26.0367,
26.9493

115.0308,
122.3618, 129.2760

■ 15.6788, 16.8511,
17.3031

145.2659,
154.3970, 163.4902

■ 9.3866, 10.1284,
10.2866

180.3827,
191.5858, 203.2639

■ 5.0533, 5.4842,
5.4813

220.7468,
234.3127, 249.0157

■ 2.3136, 2.5340,
2.4687

266.7234,

■ 0.8016, 0.8936,

282.9620, 301.1641

0.8235

318.6779,
337.9182, 360.1277

■ 0.0000, 0.0000,
0.0000

■ 49.9630, 53.3341,
55.8053

■ 49.9630, 53.3341,
55.8053

■ 45.1836, 51.0990,
45.3143

■ 55.2601, 55.8065,
67.7933

■ 40.9009, 49.0872,
36.2579

■ 61.0860, 58.5163,
81.3302

■ 37.0989, 47.2933,
28.5749

■ 67.4572, 61.4723,
96.4698

■ 33.7591, 45.7093,
22.1980

■ 72.4630, 63.9108,
103.1245

■ 30.8617, 44.3265,
17.0543

■ 76.4914, 65.9875,
103.3131

■ 28.3853, 43.1356,
13.0637

■ 78.5828, 67.0657,
103.4109

■ 26.3062, 42.1264,
10.1368

■ 24.5981, 41.2876,
8.1710

■ 23.2302, 40.6060,
7.0431

Harmonies

Analogous

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



50.4590, 53.3341, 55.0859



49.9630, 53.3341, 55.8053



49.6638, 53.3341, 57.1375

Triad

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



49.9630, 53.3341, 55.8053



50.3652, 53.3341, 61.0888



51.7609, 53.3341, 57.4047

Complementary

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



49.9630, 53.3341, 55.8053



49.6755, 51.4981, 58.3637

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.



51.7353, 53.3341, 59.0162



49.9630, 53.3341, 55.8053



50.9267, 53.3341, 61.1636

Square

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



49.9630, 53.3341, 55.8053



49.8948, 53.3341, 60.1964



51.4290, 53.3341, 60.3988



51.4986, 53.3341, 55.9977

Rectangle

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



49.9630, 53.3341, 55.8053



49.6147, 53.3341, 58.2037



51.4290, 53.3341, 60.3988



51.7857, 53.3341, 57.9400

Sweetspot

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



49.9645, 53.3364, 55.8065



91.9556, 97.2983, 104.3151



50.2852, 52.8449, 55.6947



20.1475, 21.3121, 22.8666



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.



49.9645, 53.3364, 55.8065



90.0918, 96.4277, 100.1514



49.5193, 53.1006, 56.0697



10.9174, 11.7318, 12.0505



14.8122, 26.4648, 4.3275



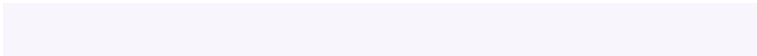
0.7177, 1.1835, 0.1906

Inverse Universe

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



49.6755, 51.4981, 58.3637



89.4749, 92.5044, 105.6091



50.1293, 51.7386, 58.0920



10.8253, 11.1458, 12.8656



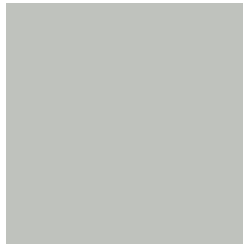
11.2718, 5.0713, 33.9414



0.5631, 0.2583, 1.4701

Previews

White Background



This preview shows how the XYZ color 49.9630, 53.3341, 55.8053 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 49.9630, 53.3341, 55.8053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

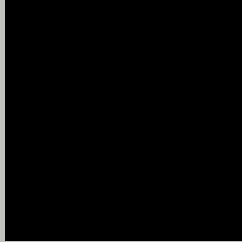
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

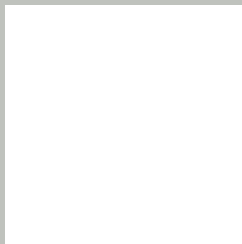
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9630, 53.3341, 55.8053

Background



This preview shows how black text looks on a background with the XYZ color 49.9630, 53.3341, 55.8053.



This preview shows how white text looks on a background with the XYZ color 49.9630, 53.3341,

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

49.9630, 53.3341, 55.8053

Protanopia

50.9527, 53.2004, 55.1602

Deuteranopia

54.2160, 53.2554, 56.1370



Tritanopia

52.0195, 53.1872, 65.9169

Trichromacy



Original Color

49.9630, 53.3341, 55.8053

Protanomaly

50.6527, 53.3729, 55.2093

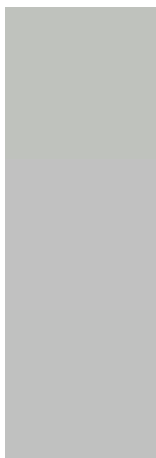
Deuteranomaly

52.6096, 53.3820, 56.2461

Tritanomaly

51.2673, 53.2069, 62.2115

Monochromacy



Original Color

49.9630, 53.3341, 55.8053

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.3226, 53.1522, 57.4763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9630, 53.3341, 55.8053 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(191, 194, 189)` looks like.

```
.text, #text, p{  
    color:rgb(191, 194, 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(191, 194, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 194, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.9630, 53.3341, 55.8053 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(191, 194, 189) }
```


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

```
.border{ border-color:rgb(191, 194, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 194, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 194, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 194, 189);  
box-shadow:4px 4px 4px 4px rgb(191, 194,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9630, 53.3341, 55.8053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 194, 189) }
```

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

```
.background{ background-color: rgb(191,  
194, 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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