

Converting Colors

XYZ(49.9765, 51.2853, 63.8020)

Have a look what the booklet for
XYZ(49.9765, 51.2853, 63.8020)
contains.

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Color

**XYZ(49.9979, 51.2254,
63.7522)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBCCB
RGB	190, 188, 203
RGB Percent	75%, 74%, 80%
CMY	0.2549, 0.2627, 0.2039
CMYK	0.06, 0.07, 0.00, 0.20
HSL	248°, 13%, 77%
HSV	248°, 7%, 80%
XYZ	49.9979, 51.2254, 63.7522
YIQ	190.3080, -3.6230, 5.0890

Conversions

Conversions Part 2

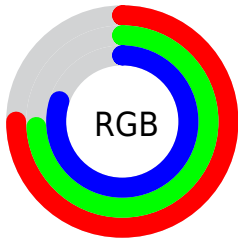
Format	Color
R _Y B	190, 188, 203
Decimal	12500171
CIE Lab	76.82, 3.56, -7.29
CIE LCh	77, 8.112, 295.996
Yxy	51.2254, 0.3031, 0.3105
Android (android.graphics.Color)	4290690251 (0xFFBEBCCB)
YUV	190.3080, 6.2572, -0.2701
Hunter-Lab	71.5719, -0.5564, -2.7118

Details

The XYZ color **49.9979, 51.2254, 63.7522** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.5224, 58.7616, 56.0480**, and the grayscale version is **49.0889, 51.6453, 56.2417**.

A 20% lighter version of the original color is **88.4067, 91.5142, 107.6122**, and **24.4053, 24.8162, 31.9375** is the 20% darker color. If you saturate the color by 10%, you get **41.8299, 41.0246, 62.2145**, and if you desaturate by 10%, it is **59.3095, 62.9241, 65.5203**.

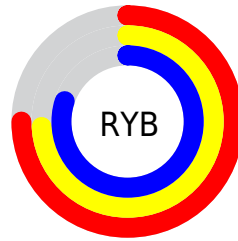
Distribution



Red (75%)

Green (74%)

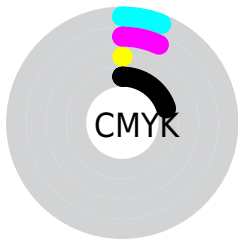
Blue (80%)



Red (75%)

Yellow (74%)

Blue (80%)

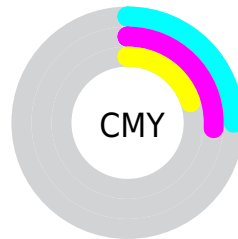


Cyan (6%)

Magenta (7%)

Yellow (0%)

Black (20%)



Cyan (25%)

Magenta (26%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9979, 51.2254, 63.7522 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 49.9979, 51.2254, 63.7522 by changing the saturation by 10% instead.

■ 49.9979, 51.2254,
63.7522

■ 49.9979, 51.2254,
63.7522

377.1099,
391.4389, 456.4771

■ 35.6295, 36.3880,
46.0051

■ 89.3636, 91.9879,
111.8500

■ 24.3170, 24.7340,
31.9012

115.0916,
118.6817, 143.0378

■ 15.6949, 15.8790,
21.0218

145.3369,
150.0966, 179.5429

■ 9.3980, 9.4386,
12.9485

180.4649,
186.6168, 221.7839

■ 5.0609, 5.0283,
7.2628

220.8408,
228.6267, 270.1793

■ 2.3181, 2.2639,
3.5461

266.8300,

■ 0.8039, 0.7545,

276.5107, 325.1476

1.3798

318.7979,
330.6534, 387.1073

■ 0.0000, 0.0000,
0.1259

■ 0.0000, 0.0000,
0.0000

■ 49.9979, 51.2254,
63.7522

■ 49.9979, 51.2254,
63.7522

■ 41.8299, 41.0246,
62.2145

■ 59.3095, 62.9241,
65.5203

■ 34.7570, 32.2548,
60.8946

■ 69.8020, 76.1710,
67.5242

■ 28.7336, 24.8537,
59.7835

■ 81.5165, 91.0222,
69.7733

■ 23.7092, 18.7519,
58.8705

■ 87.7796, 97.0919,
70.6148

■ 19.6292, 13.8739,
58.1440

■ 16.4336, 10.1364,
57.5910

■ 14.0555, 7.4454,
57.1970

■ 12.4178, 5.6918,
56.9448

■ 11.4214, 4.7281,
56.8113

Harmonies

Analogous

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



48.4817, 51.2254, 64.6721



49.9979, 51.2254, 63.7522



51.1849, 51.2254, 60.6551

Triad

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



49.9979, 51.2254, 63.7522



50.3634, 51.2254, 49.0355



45.7931, 51.2254, 55.1856

Complementary

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



49.9979, 51.2254, 63.7522



54.5224, 58.7616, 56.0480

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.



46.2740, 51.2254, 51.1654



49.9979, 51.2254, 63.7522



48.8953, 51.2254, 47.7351

Square

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



49.9979, 51.2254, 63.7522



51.3990, 51.2254, 52.1400



47.4016, 51.2254, 48.4940



46.0744, 51.2254, 59.5767

Rectangle

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



49.9979, 51.2254, 63.7522



51.6188, 51.2254, 57.8536



47.4016, 51.2254, 48.4940



45.8707, 51.2254, 53.7483

Sweetspot

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



49.9994, 51.2276, 63.7533



91.8367, 95.9602, 108.2896



52.4651, 56.8945, 64.7172



19.6905, 20.5818, 23.1848



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.



49.9994, 51.2276, 63.7533



81.2167, 82.6416, 106.2786



51.8560, 52.1847, 63.8402



10.7384, 10.9144, 14.1111



7.1925, 2.9154, 36.1399



0.4177, 0.1744, 1.8666

Inverse Universe

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



53.1562, 52.8823, 62.6666



87.6725, 86.0261, 104.0328



52.6187, 57.7802, 55.9589



11.6208, 11.3770, 13.8036



20.6830, 10.0838, 27.1133



1.0853, 0.5275, 1.4950

Previews

White Background



This preview shows how the XYZ color 49.9979, 51.2254, 63.7522 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 49.9979, 51.2254, 63.7522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

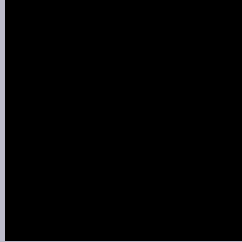
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9979, 51.2254, 63.7522

Background



This preview shows how black text looks on a background with the XYZ color 49.9979, 51.2254, 63.7522.

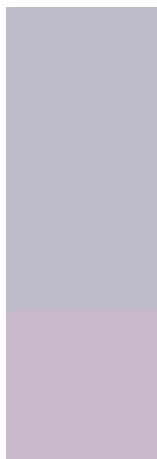


This preview shows how white text looks on a background with the XYZ color 49.9979, 51.2254,

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

49.9979, 51.2254, 63.7522

Protanopia

49.7490, 51.0971, 63.7406

Deuteranopia

52.1270, 51.0581, 64.2346



Tritanopia

49.9979, 51.2254, 63.7522

Trichromacy



Original Color

49.9979, 51.2254, 63.7522

Protanomaly

49.7490, 51.0971, 63.7406

Deuteranomaly

51.2740, 50.9279, 64.2544

Tritanomaly

49.9979, 51.2254, 63.7522

Monochromacy



Original Color

49.9979, 51.2254, 63.7522

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.2831, 51.2825, 58.9308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9979, 51.2254, 63.7522 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(190, 188, 203)` looks like.

```
.text, #text, p{  
    color:rgb(190, 188, 203)  
}
```

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(190, 188, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 188, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.9979, 51.2254, 63.7522 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(190, 188, 203) }
```


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

```
.border{ border-color:rgb(190, 188, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 188, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(190, 188,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9979, 51.2254, 63.7522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 188, 203) }
```

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

```
.background{ background-color: rgb(190,  
188, 203) }
```

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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