

Converting Colors

XYZ(49.7721, 58.4711, 51.0786)

Have a look what the booklet for
XYZ(49.7721, 58.4711, 51.0786)
contains.

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Color

**XYZ(49.9932, 58.6794,
51.3392)**

Conversions

Conversions Part 1

Format	Color
Hex	B5D1B3
RGB	181, 209, 179
RGB Percent	71%, 82%, 70%
CMY	0.2902, 0.1804, 0.2980
CMYK	0.13, 0.00, 0.14, 0.18
HSL	116°, 25%, 76%
HSV	116°, 14%, 82%
XYZ	49.9932, 58.6794, 51.3392
YIQ	197.2080, -7.0580, -15.2660

Conversions

Conversions Part 2

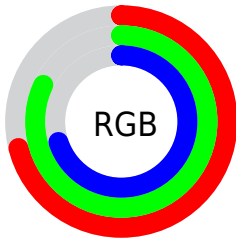
Format	Color
R _Y B	179, 209, 207
Decimal	11915699
CIE Lab	81.12, -14.99, 11.77
CIE LCh	81, 19.061, 141.853
Yxy	58.6794, 0.3124, 0.3667
Android (android.graphics.Color)	4290105779 (0xFFB5D1B3)
YUV	197.2080, -8.9765, -14.2144
Hunter-Lab	76.6025, -17.5596, 13.8854

Details

The XYZ color **49.9932, 58.6794, 51.3392** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.3633, 50.1108, 67.1845**, and the grayscale version is **53.2535, 56.0268, 61.0132**.

A 20% lighter version of the original color is **85.6804, 95.5227, 92.5191**, and **24.3893, 29.5382, 24.1547** is the 20% darker color. If you saturate the color by 10%, you get **43.7795, 55.7038, 40.8380**, and if you desaturate by 10%, it is **57.1711, 62.1184, 63.5605**.

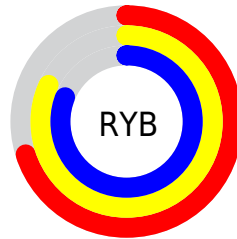
Distribution



Red (71%)

Green (82%)

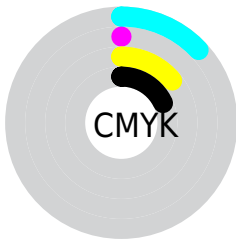
Blue (70%)



Red (70%)

Yellow (82%)

Blue (81%)

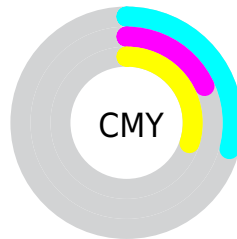


Cyan (13%)

Magenta (0%)

Yellow (14%)

Black (18%)



Cyan (29%)

Magenta (18%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9932, 58.6794, 51.3392 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 49.9932, 58.6794, 51.3392 by changing the saturation by 10% instead.

■ 49.9932, 58.6794,
51.3392

■ 49.9932, 58.6794,
51.3392

377.0918,
419.7128, 408.7643

■ 35.6258, 42.3551,
36.1000

■ 89.3567, 102.9116,
93.5726

■ 24.3141, 29.3794,
24.2212

115.0834,
131.5882, 121.4039

■ 15.6928, 19.3680,
15.2840

145.3274,
165.1511, 154.2697

■ 9.3965, 11.9365,
8.8701

180.4538,
203.9846, 192.5884

■ 5.0599, 6.7005,
4.5609

220.8281,
248.4731, 236.7788

■ 2.3175, 3.2755,
1.9378

266.8156,

■ 0.8036, 1.2772,

299.0011, 287.2591

0.5166

318.7817,
355.9528, 344.4482

■ 0.0000, 0.1234,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.9932, 58.6794,
51.3392

■ 49.9932, 58.6794,
51.3392

■ 43.7795, 55.7038,
40.8380

■ 57.1711, 62.1184,
63.5605

■ 38.4842, 53.1647,
31.9760

■ 65.3467, 66.0315,
77.5701

■ 34.0654, 51.0438,
24.6717

■ 74.5580, 70.4384,
93.4372

■ 30.4755, 49.3186,
18.8352

■ 82.0916, 74.0833,
104.5805

■ 27.6628, 47.9645,
14.3672

■ 25.5695, 46.9543,
11.1563

■ 24.1299, 46.2568,
9.0735

■ 23.2662, 45.8352,
7.9622

■ 22.9816, 45.6961,
7.6090

Harmonies

Analogous

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



52.9848, 58.6794, 45.7039



49.9932, 58.6794, 51.3392



48.5657, 58.6794, 60.8491

Triad

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



49.9932, 58.6794, 51.3392



54.7002, 58.6794, 88.0177



63.1477, 58.6794, 56.1092

Complementary

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



49.9932, 58.6794, 51.3392



53.3633, 50.1108, 67.1845

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.



63.6603, 58.6794, 67.0345



49.9932, 58.6794, 51.3392



58.6573, 58.6794, 86.3597

Square

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



49.9932, 58.6794, 51.3392



51.1979, 58.6794, 82.6342



61.9820, 58.6794, 78.3401



60.6128, 58.6794, 48.2222

Rectangle

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



49.9932, 58.6794, 51.3392



48.6437, 58.6794, 68.4793



61.9820, 58.6794, 78.3401



63.5669, 58.6794, 59.5141

Sweetspot

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



49.9948, 58.6819, 51.3405



90.0347, 97.5992, 100.3194



56.7467, 61.4386, 51.5167



19.0754, 20.7966, 21.1381



0.0000, 0.0000, 0.0000



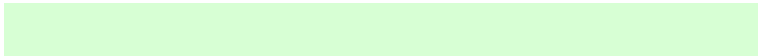
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9948, 58.6819, 51.3405



75.4886, 90.6331, 75.5714



50.9072, 58.9931, 58.5747



11.7282, 13.2433, 12.5501



14.1990, 28.1888, 4.6926



0.8201, 1.5896, 0.2636

Inverse Universe

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



53.3633, 50.1108, 67.1845



81.6913, 74.8484, 104.7493



52.3805, 49.7826, 59.0749



12.2298, 11.9673, 14.9090



21.0172, 10.0150, 38.0179



1.1991, 0.5723, 2.1268

Previews

White Background



This preview shows how the XYZ color 49.9932, 58.6794, 51.3392 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 49.9932, 58.6794, 51.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

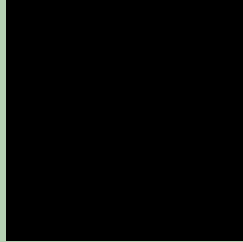
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9932, 58.6794, 51.3392

Background



This preview shows how black text looks on a background with the XYZ color 49.9932, 58.6794, 51.3392.



This preview shows how white text looks on a background with the XYZ color 49.9932, 58.6794,

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

49.9932, 58.6794, 51.3392

Protanopia

55.4885, 58.7173, 48.9665

Deuteranopia

59.4138, 58.2919, 52.3760



Tritanopia

54.8812, 58.5177, 75.4203

Trichromacy



Original Color

49.9932, 58.6794, 51.3392

Protanomaly

53.2488, 58.5997, 49.5787

Deuteranomaly

55.3423, 57.8847, 51.9721

Tritanomaly

52.7380, 58.3366, 65.6072

Monochromacy



Original Color

49.9932, 58.6794, 51.3392

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.6668, 56.5674, 56.9107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9932, 58.6794, 51.3392 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(181, 209, 179)` looks like.

```
.text, #text, p{  
    color:rgb(181, 209, 179)  
}
```

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(181, 209, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 209, 179) }
```

Border

The CSS property to change the border of an element to XYZ 49.9932, 58.6794, 51.3392 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(181, 209, 179) }
```


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

```
.border{ border-color:rgb(181, 209, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 209, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 209, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 209, 179);  
box-shadow:4px 4px 4px 4px rgb(181, 209,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9932, 58.6794, 51.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 209, 179) }
```

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

```
.background{ background-color: rgb(181,  
209, 179) }
```

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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