

Converting Colors

XYZ(49.8205, 59.3466, 50.4242)

Have a look what the booklet for
XYZ(49.8205, 59.3466, 50.4242)
contains.

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Color

**XYZ(49.8205, 59.3466,
50.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	B3D3B1
RGB	179, 211, 177
RGB Percent	70%, 83%, 69%
CMY	0.2980, 0.1725, 0.3059
CMYK	0.15, 0.00, 0.16, 0.17
HSL	116°, 28%, 76%
HSV	116°, 16%, 83%
XYZ	49.8205, 59.3466, 50.4242
YIQ	197.5560, -8.1580, -17.3580

Conversions

Conversions Part 2

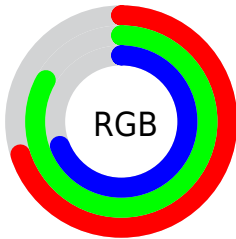
Format	Color
RYB	177, 211, 209
Decimal	11785137
CIELab	81.48, -17.04, 13.34
CIElCh	81, 21.636, 141.945
Yxy	59.3466, 0.3122, 0.3719
Android (android.graphics.Color)	4289975217 (0xFFB3D3B1)
YUV	197.5560, -10.1341, -16.2736
Hunter-Lab	77.0367, -19.3764, 15.1176

Details

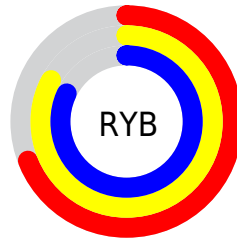
The XYZ color **49.8205, 59.3466, 50.4242** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.7770, 49.7044, 68.3907**, and the grayscale version is **53.4715, 56.2562, 61.2630**.

A 20% lighter version of the original color is **84.7289, 95.0654, 90.9746**, and **24.1307, 29.6678, 23.5234** is the 20% darker color. If you saturate the color by 10%, you get **43.6140, 56.3732, 39.9911**, and if you desaturate by 10%, it is **57.0166, 62.7959, 62.6036**.

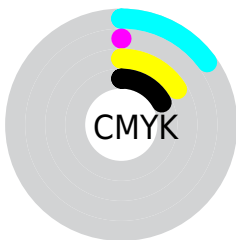
Distribution



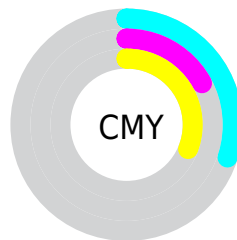
- Red (70%)
- Green (83%)
- Blue (69%)



- Red (69%)
- Yellow (83%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (17%)



- Cyan (30%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8205, 59.3466, 50.4242 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 49.8205, 59.3466, 50.4242 by changing the saturation by 10% instead.

■ 49.8205, 59.3466,
50.4242

■ 49.8205, 59.3466,
50.4242

376.4272,
422.1852, 405.1050

■ 35.4880, 42.8922,
35.3770

■ 89.1023, 103.8812,
92.2058

■ 24.2073, 29.8005,
23.6676

114.7823,
132.7303, 119.7774

■ 15.6130, 19.6872,
14.8773

144.9755,
166.4796, 152.3608

■ 9.3399, 12.1679,
8.5876

180.0473,
205.5137, 190.3747

■ 5.0224, 6.8581,
4.3801

220.3630,
250.2169, 234.2375

■ 2.2953, 3.3735,
1.8361

266.2879,

■ 0.7923, 1.3297,

300.9736, 284.3678

0.4516

318.1876,
358.1682, 341.1841

■ 0.0000, 0.1640,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.8205, 59.3466,
50.4242

■ 49.8205, 59.3466,
50.4242

■ 43.6140, 56.3732,
39.9911

■ 57.0166, 62.7959,
62.6036

■ 38.3492, 53.8478,
31.2207

■ 65.2378, 66.7328,
76.6001

■ 33.9815, 51.7508,
24.0282

■ 74.5238, 71.1780,
92.4853

■ 30.4608, 50.0586,
18.3201

■ 82.5854, 75.0709,
104.7451

■ 27.7321, 48.7448,
13.9927

■ 25.7338, 47.7804,
10.9292

■ 24.3953, 47.1319,
8.9934

■ 23.6314, 46.7589,
8.0153

■ 23.4528, 46.6720,
7.7725

Harmonies

Analogous

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



53.2131, 59.3466, 44.1256



49.8205, 59.3466, 50.4242



48.2121, 59.3466, 61.1843

Triad

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



49.8205, 59.3466, 50.4242



55.1950, 59.3466, 92.6097



64.8814, 59.3466, 55.7340

Complementary

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



49.8205, 59.3466, 50.4242



53.7770, 49.7044, 68.3907

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.



65.4819, 59.3466, 68.1786



49.8205, 59.3466, 50.4242



59.7265, 59.3466, 90.6385

Square

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



49.8205, 59.3466, 50.4242



51.2047, 59.3466, 86.3270



63.5502, 59.3466, 81.2537



61.9506, 59.3466, 46.8932

Rectangle

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



49.8205, 59.3466, 50.4242



48.3047, 59.3466, 69.9220



63.5502, 59.3466, 81.2537



65.3686, 59.3466, 59.5899

Sweetspot

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



49.8221, 59.3491, 50.4255



88.7866, 97.0005, 98.2448



57.5375, 62.4964, 50.6263



18.8226, 20.6752, 20.7203



0.0000, 0.0000, 0.0000



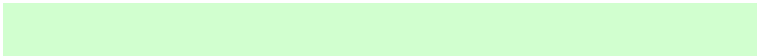
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8221, 59.3491, 50.4255



73.3750, 89.6166, 72.1739



50.9125, 59.7323, 58.5623



11.7197, 13.2390, 12.5497



14.1820, 28.1800, 4.6918



0.8161, 1.5876, 0.2634

Inverse Universe

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



53.7770, 49.7044, 68.3907



80.4536, 72.3516, 104.3326



52.5824, 49.2924, 59.1289



12.2393, 11.9722, 14.9094



21.2760, 10.1485, 38.0300



1.2109, 0.5784, 2.1274

Previews

White Background



This preview shows how the XYZ color 49.8205, 59.3466, 50.4242 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 49.8205, 59.3466, 50.4242 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

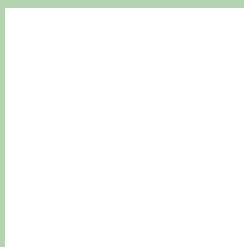
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8205, 59.3466, 50.4242

Background



This preview shows how black text looks on a background with the XYZ color 49.8205, 59.3466, 50.4242.

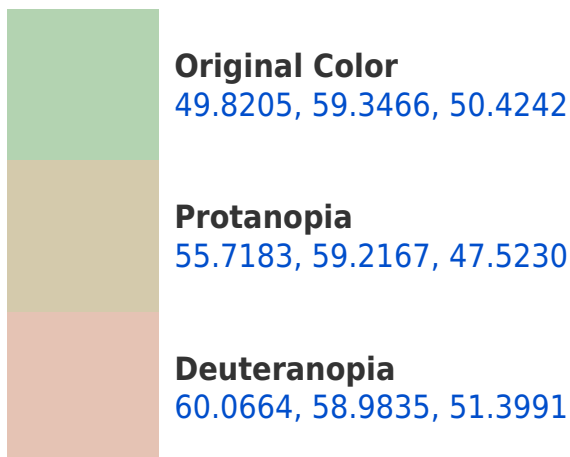


This preview shows how white text looks on a background with the XYZ color 49.8205, 59.3466,

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

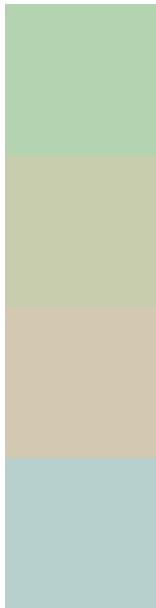




Tritanopia

55.1322, 59.3222, 76.9512

Trichromacy



Original Color

49.8205, 59.3466, 50.4242

Protanomaly

53.2907, 58.9980, 48.6234

Deuteranomaly

55.8873, 58.8768, 51.0666

Tritanomaly

52.8607, 59.1007, 66.3791

Monochromacy



Original Color

49.8205, 59.3466, 50.4242

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.1361, 57.5059, 57.0671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8205, 59.3466, 50.4242 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(179, 211, 177)` looks like.

```
.text, #text, p{  
    color:rgb(179, 211, 177)  
}
```

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(179, 211, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 211, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.8205, 59.3466, 50.4242 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(179, 211, 177) }
```


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

```
.border{ border-color:rgb(179, 211, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 211, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 211, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 211, 177); box-shadow:4px 4px 4px 4px rgb(179, 211, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8205, 59.3466, 50.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 211, 177) }
```

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

```
.background{ background-color: rgb(179,  
211, 177) }
```

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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