

Converting Colors

XYZ(49.7981, 59.0257, 61.3859)

Have a look what the booklet for
XYZ(49.7981, 59.0257, 61.3859)
contains.

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Color

**XYZ(49.9499, 59.1658,
61.6108)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD3C5
RGB	170, 211, 197
RGB Percent	67%, 83%, 77%
CMY	0.3333, 0.1725, 0.2274
CMYK	0.19, 0.00, 0.07, 0.17
HSL	160°, 32%, 75%
HSV	160°, 19%, 83%
XYZ	49.9499, 59.1658, 61.6108
YIQ	197.1450, -19.9420, -13.0460

Conversions

Conversions Part 2

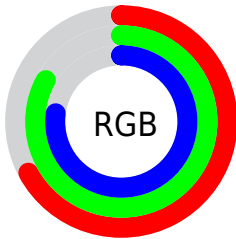
Format	Color
RYB	170, 195, 211
Decimal	11195333
CIELab	81.38, -16.26, 2.48
CIELCh	81, 16.448, 171.334
Yxy	59.1658, 0.2926, 0.3466
Android (android.graphics.Color)	4289385413 (0xFFAAD3C5)
YUV	197.1450, -0.0715, -23.8062
Hunter-Lab	76.9193, -18.6944, 6.3534

Details

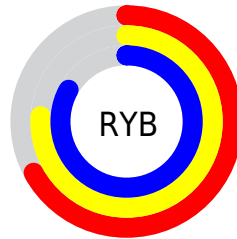
The XYZ color **49.9499, 59.1658, 61.6108** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8926, 46.0606, 51.6110**, and the grayscale version is **53.1689, 55.9378, 60.9163**.

A 20% lighter version of the original color is **85.0134, 94.8445, 107.5921**, and **24.1825, 29.5420, 30.4142** is the 20% darker color. If you saturate the color by 10%, you get **44.9437, 56.6798, 57.1696**, and if you desaturate by 10%, it is **55.7310, 62.0500, 66.2969**.

Distribution



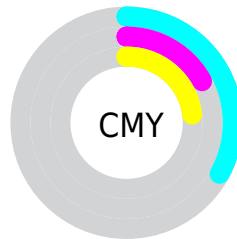
- Red (67%)
- Green (83%)
- Blue (77%)



- Red (67%)
- Yellow (76%)
- Blue (83%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (17%)



- Cyan (33%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9499, 59.1658, 61.6108 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 49.9499, 59.1658, 61.6108 by changing the saturation by 10% instead.

■ 49.9499, 59.1658,
61.6108

■ 49.9499, 59.1658,
61.6108

376.9252,
421.5161, 448.4784

■ 35.5912, 42.7466,
44.2845

■ 89.2929, 103.6186,
108.7290

■ 24.2873, 29.6863,
30.5554

115.0080,
132.4210, 139.3579

■ 15.6728, 19.6006,
20.0049

145.2392,
166.1199, 175.2582

■ 9.3823, 12.1051,
12.2145

180.3519,
205.0997, 216.8484

■ 5.0505, 6.8153,
6.7656

220.7115,
249.7449, 264.5469

■ 2.3120, 3.3468,
3.2397

266.6834,

■ 0.8008, 1.3154,

300.4397, 318.7724

1.2183

318.6328,
357.5686, 379.9434

■ 0.0000, 0.1531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.9499, 59.1658,
61.6108

■ 49.9499, 59.1658,
61.6108

■ 44.9437, 56.6798,
57.1696

■ 55.7310, 62.0500,
66.2969

■ 40.6721, 54.5663,
52.9647

■ 62.3151, 65.3418,
71.2282

■ 37.0984, 52.8082,
48.9928

■ 69.7349, 69.0599,
76.4101

■ 34.1808, 51.3840,
45.2490

■ 78.0199, 73.2192,
81.8469

■ 31.8728, 50.2697,
41.7280

■ 79.2479, 73.7357,
87.1703

■ 30.1216, 49.4382,
38.4243

■ 80.2989, 74.1561,
92.7049

■ 28.8648, 48.8575,
35.3318

■ 81.3925, 74.5936,
98.4636

■ 27.9964, 48.4728,
32.4421

■ 82.5291, 75.0482,
104.4487

■ 27.9514, 48.4531,
32.2837

■ 82.5854, 75.0707,
104.7451

Harmonies

Analogous

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



51.2299, 59.1658, 53.3020



49.9499, 59.1658, 61.6108



50.2996, 59.1658, 71.5578

Triad

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



49.9499, 59.1658, 61.6108



58.6748, 59.1658, 83.7151



60.4675, 59.1658, 50.7406

Complementary

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



49.9499, 59.1658, 61.6108



49.8926, 46.0606, 51.6110

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.



62.6206, 59.1658, 57.7762



49.9499, 59.1658, 61.6108



61.5566, 59.1658, 76.9890

Square

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



49.9499, 59.1658, 61.6108



55.2451, 59.1658, 85.0093



63.0271, 59.1658, 67.3164



57.2373, 59.1658, 47.4589

Rectangle

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



49.9499, 59.1658, 61.6108



51.4161, 59.1658, 77.7521



63.0271, 59.1658, 67.3164



61.3466, 59.1658, 52.7089

Sweetspot

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



49.9516, 59.1683, 61.6121



88.8134, 96.8808, 104.2764



50.4030, 59.7270, 46.9032



18.8704, 20.6669, 22.2135



0.0000, 0.0000, 0.0000



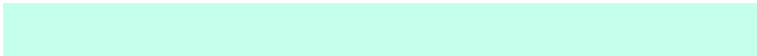
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9516, 59.1683, 61.6121



73.6072, 89.2992, 91.9317



50.1328, 56.8425, 69.9603



11.9797, 13.3356, 14.2493



16.9176, 29.2600, 19.7441



0.9823, 1.6506, 1.2956

Inverse Universe

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



49.8926, 46.0606, 51.6110



73.5028, 65.8755, 74.0647



49.6763, 47.8623, 44.6513



11.9730, 11.8739, 13.1335



16.9629, 8.6580, 4.7107



0.9853, 0.4988, 0.4575

Previews

White Background



This preview shows how the XYZ color 49.9499, 59.1658, 61.6108 looks on a white background.

Color Contrast Check

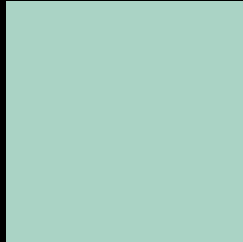
Large Text (above 18pt) WCAG AA × Fail

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 49.9499, 59.1658, 61.6108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

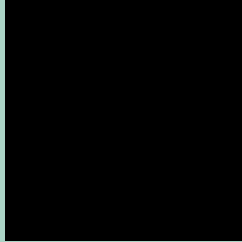
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

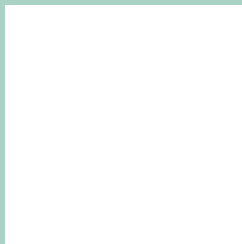
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9499, 59.1658, 61.6108

Background



This preview shows how black text looks on a background with the XYZ color 49.9499, 59.1658, 61.6108.



This preview shows how white text looks on a background with the XYZ color 49.9499, 59.1658,

61.6108.

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

49.9499, 59.1658, 61.6108

Protanopia

56.3030, 58.9448, 57.7002

Deuteranopia

60.0646, 58.7299, 62.8138



Tritanopia

53.4466, 59.1214, 79.1157

Trichromacy



Original Color

49.9499, 59.1658, 61.6108

Protanomaly

53.7051, 58.9822, 59.0062

Deuteranomaly

55.8240, 58.5933, 62.4002

Tritanomaly

51.9271, 58.8510, 72.2409

Monochromacy



Original Color

49.9499, 59.1658, 61.6108

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.6921, 56.8371, 61.0695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9499, 59.1658, 61.6108 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(170, 211, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 211, 197)  
}
```

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(170, 211, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 211, 197) }
```

Border

The CSS property to change the border of an element to XYZ 49.9499, 59.1658, 61.6108 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(170, 211, 197) }
```


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

```
.border{ border-color:rgb(170, 211, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 211, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 211, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 211, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 211,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9499, 59.1658, 61.6108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 211, 197) }
```

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

```
.background{ background-color: rgb(170,  
211, 197) }
```

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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