

Converting Colors

XYZ(47.8866, 59.8486, 66.2101)

Have a look what the booklet for
XYZ(47.8866, 59.8486, 66.2101)
contains.

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Color

**XYZ(47.8494, 59.8609,
66.1591)**

Conversions

Conversions Part 1

Format	Color
Hex	95D8CC
RGB	149, 216, 204
RGB Percent	58%, 85%, 80%
CMY	0.4157, 0.1529, 0.2000
CMYK	0.31, 0.00, 0.06, 0.15
HSL	169°, 46%, 72%
HSV	169°, 31%, 85%
XYZ	47.8494, 59.8609, 66.1591
YIQ	194.5990, -36.0800, -17.9360

Conversions

Conversions Part 2

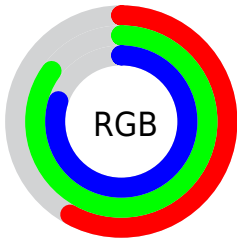
Format	Color
RYB	149, 186, 216
Decimal	9820364
CIELab	81.76, -23.63, -0.84
CIElCh	82, 23.650, 182.038
Yxy	59.8609, 0.2752, 0.3443
Android (android.graphics.Color)	4288010444 (0xFF95D8CC)
YUV	194.5990, 4.6347, -39.9903
Hunter-Lab	77.3698, -25.0038, 3.4599

Details

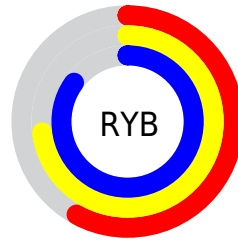
The XYZ color **47.8494, 59.8609, 66.1591** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5015, 38.6687, 38.7863**, and the grayscale version is **51.6233, 54.3118, 59.1455**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **22.9692, 30.1246, 33.4582** is the 20% darker color. If you saturate the color by 10%, you get **43.8101, 57.8331, 63.5784**, and if you desaturate by 10%, it is **52.6345, 62.2749, 68.8375**.

Distribution



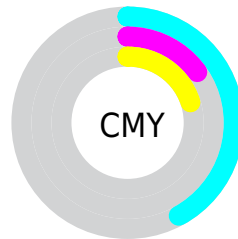
- Red (58%)
- Green (85%)
- Blue (80%)



- Red (58%)
- Yellow (73%)
- Blue (85%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (42%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8494, 59.8609, 66.1591 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 47.8494, 59.8609, 66.1591 by changing the saturation by 10% instead.


 47.8494, 59.8609,
66.1591


 47.8494, 59.8609,
66.1591


368.7874,
424.0849, 465.3654

 33.9184, 43.3065,
47.9443


 86.1912, 104.6279,
115.3438

 22.9935, 30.1257,
33.4231


 111.3327,
133.6092, 147.1508

 14.7094, 19.9340,
22.1770


140.9417,
167.5017, 184.3256

 8.7007, 12.3471,
13.7874

175.3836,
206.6897, 227.2867

 4.6020, 6.9805,
7.8359

215.0238,
251.5577, 276.4527

 2.0480, 3.4499,
3.9039

260.2276,

 0.6607, 1.3709,

302.4899, 332.2421

1.5728

311.3603,
359.8708, 395.0735

■ 0.0000, 0.1951,
0.2713

■ 0.0000, 0.0000,
0.0000

■ 47.8494, 59.8609,
66.1591

■ 47.8494, 59.8609,
66.1591

■ 43.8101, 57.8331,
63.5784

■ 52.6345, 62.2749,
68.8375

■ 40.4710, 56.1633,
61.0890

■ 58.1977, 65.0872,
71.6116

■ 37.7892, 54.8311,
58.6897

■ 64.5756, 68.3182,
74.4849

■ 35.7151, 53.8109,
56.3777

■ 71.8010, 71.9846,
77.4593

■ 34.1919, 53.0734,
54.1499

■ 79.1633, 75.7203,
80.5020

■ 33.1518, 52.5837,
52.0028

■ 79.6922, 75.9319,
83.2872

■ 32.5236, 52.3005,
50.1377

■ 80.2331, 76.1483,
86.1356

■ 80.7861, 76.3695,
89.0477

■ 81.3513, 76.5955,
92.0239

Harmonies

Analogous

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



48.8472, 59.8609, 53.1423



47.8494, 59.8609, 66.1591



49.1557, 59.8609, 80.8425

Triad

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



47.8494, 59.8609, 66.1591



62.1306, 59.8609, 91.3107



61.5069, 59.8609, 43.8249

Complementary

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



47.8494, 59.8609, 66.1591



45.5015, 38.6687, 38.7863

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.



65.4090, 59.8609, 51.6807



47.8494, 59.8609, 66.1591



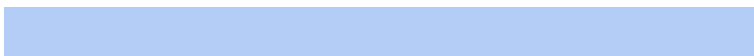
65.7836, 59.8609, 78.9069

Square

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



47.8494, 59.8609, 66.1591



57.2374, 59.8609, 96.6204



67.0165, 59.8609, 64.2073



56.5559, 59.8609, 41.4254

Rectangle

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



47.8494, 59.8609, 66.1591



51.2044, 59.8609, 89.2899



67.0165, 59.8609, 64.2073



62.9945, 59.8609, 45.8524

Sweetspot

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



47.8511, 59.8633, 66.1605



86.4500, 95.6422, 105.0793



44.7377, 58.8907, 37.4441



18.2263, 20.3309, 22.3615



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.



47.8511, 59.8633, 66.1605



65.8346, 85.2396, 93.9477



44.2576, 50.2827, 72.3414



12.6923, 14.0679, 15.4600



19.2862, 30.9698, 29.8668



1.1888, 1.8782, 1.9358

Inverse Universe

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



45.5015, 38.6687, 38.7863



61.9147, 49.8239, 48.2376



48.1611, 45.6015, 34.6986



12.5132, 12.4568, 13.3767



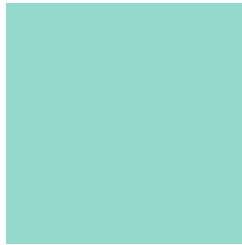
17.0041, 8.7380, 2.0596



1.0535, 0.5382, 0.2714

Previews

White Background



This preview shows how the XYZ color 47.8494, 59.8609, 66.1591 looks on a white background.

Color Contrast Check

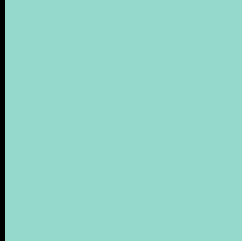
Large Text (above 18pt) WCAG AA × Fail

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 47.8494, 59.8609, 66.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

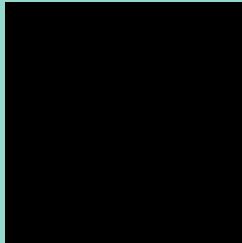
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

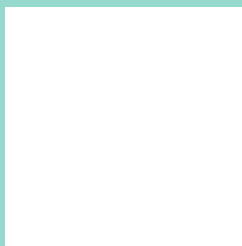
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8494, 59.8609, 66.1591

Background



This preview shows how black text looks on a background with the XYZ color 47.8494, 59.8609, 66.1591.

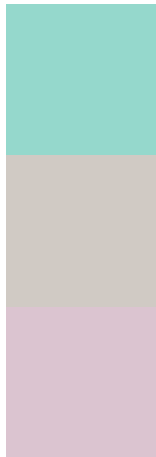


This preview shows how white text looks on a background with the XYZ color 47.8494, 59.8609,

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

47.8494, 59.8609, 66.1591

Protanopia

57.0968, 59.6365, 60.7262

Deuteranopia

60.3385, 59.0940, 67.9006



Tritanopia

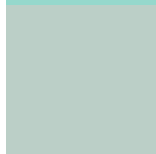
51.2039, 59.7127, 82.9557

Trichromacy



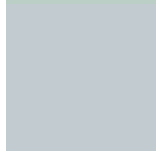
Original Color

47.8494, 59.8609, 66.1591



Protanomaly

53.1151, 59.3140, 62.6821



Deuteranomaly

54.8666, 58.6862, 67.4673



Tritanomaly

49.8494, 59.5281, 76.5729

Monochromacy



Original Color

47.8494, 59.8609, 66.1591



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.9091, 56.2541, 61.6537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8494, 59.8609, 66.1591 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(149, 216, 204)` looks like.

```
.text, #text, p{  
    color:rgb(149, 216, 204)  
}
```

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(149, 216, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 216, 204) }
```

Border

The CSS property to change the border of an element to XYZ 47.8494, 59.8609, 66.1591 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(149, 216, 204) }
```


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

```
.border{ border-color:rgb(149, 216, 204) }
```

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

Here you see how a box with a 4 pixel rgb(149, 216, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 216, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 216, 204);  
box-shadow:4px 4px 4px 4px rgb(149, 216,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8494, 59.8609, 66.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 216, 204) }
```

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

```
.background{ background-color: rgb(149,  
216, 204) }
```

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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