

Converting Colors

XYZ(49.5702, 59.9864, 64.5290)

Have a look what the booklet for
XYZ(49.5702, 59.9864, 64.5290)
contains.

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Color

**XYZ(49.4895, 59.9916,
64.2295)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D6C9
RGB	162, 214, 201
RGB Percent	64%, 84%, 79%
CMY	0.3647, 0.1608, 0.2118
CMYK	0.24, 0.00, 0.06, 0.16
HSL	165°, 39%, 74%
HSV	165°, 24%, 84%
XYZ	49.4895, 59.9916, 64.2295
YIQ	196.9700, -26.8190, -15.0670

Conversions

Conversions Part 2

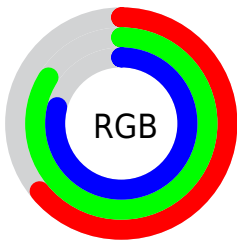
Format	Color
RYB	162, 192, 214
Decimal	10671817
CIELab	81.83, -19.45, 0.94
CIELCh	82, 19.471, 177.220
Yxy	59.9916, 0.2849, 0.3454
Android (android.graphics.Color)	4288861897 (0xFFA2D6C9)
YUV	196.9700, 1.9868, -30.6687
Hunter-Lab	77.4542, -21.4921, 5.0513

Details

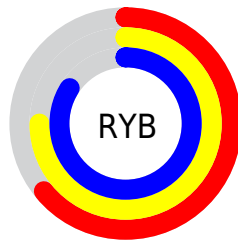
The XYZ color **49.4895, 59.9916, 64.2295** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3919, 43.2336, 46.3544**, and the grayscale version is **53.0542, 55.8171, 60.7849**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **23.9713, 30.1541, 32.1607** is the 20% darker color. If you saturate the color by 10%, you get **44.8886, 57.6928, 60.7862**, and if you desaturate by 10%, it is **54.8555, 62.6854, 67.8257**.

Distribution



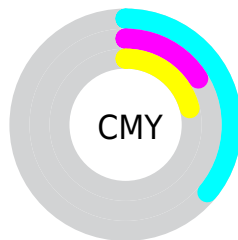
- Red (64%)
- Green (84%)
- Blue (79%)



- Red (64%)
- Yellow (75%)
- Blue (84%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)





- Cyan (36%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4895, 59.9916, 64.2295 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 49.4895, 59.9916, 64.2295 by changing the saturation by 10% instead.


 49.4895, 59.9916,
64.2295


 49.4895, 59.9916,
64.2295

375.1513,
424.5668, 458.2481

 35.2241, 43.4119,
46.3892


 88.6144, 104.8175,
112.5440

 24.0029, 30.2084,
32.2022


 114.2046,
133.8324, 143.8554

 15.4605, 19.9968,
21.2499

144.3004,
167.7612, 180.4941

 9.2316, 12.3927,
13.1138

179.2672,
206.9883, 222.8788

 4.9509, 7.0117,
7.3753

219.4703,
251.8979, 271.4280

 2.2529, 3.4694,
3.6159

265.2751,

 0.7704, 1.3815,

302.8747, 326.5603

1.4171

317.0470,
360.3028, 388.6941

■ 0.0000, 0.2030,
0.1550

■ 0.0000, 0.0000,
0.0000

■ 49.4895, 59.9916,
64.2295

■ 49.4895, 59.9916,
64.2295

■ 44.8886, 57.6928,
60.7862

■ 54.8555, 62.6854,
67.8257

■ 41.0101, 55.7623,
57.4888

■ 61.0165, 65.7850,
71.5734

■ 37.8147, 54.1815,
54.3355

■ 68.0071, 69.3096,
75.4767

■ 35.2573, 52.9272,
51.3230

■ 75.8581, 73.2752,
79.5380

■ 33.2872, 51.9732,
48.4479

■ 79.2575, 74.9433,
83.5100

■ 31.8458, 51.2893,
45.7060

■ 80.0111, 75.2447,
87.4782

■ 30.8618, 50.8388,
43.0929

■ 80.7878, 75.5554,
91.5684

■ 30.4361, 50.6507,
41.6572

■ 81.5879, 75.8754,
95.7819

■ 82.4117, 76.2049,
100.1196

Harmonies

Analogous

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



50.6342, 59.9916, 53.8232



49.4895, 59.9916, 64.2295



50.2811, 59.9916, 76.2229

Triad

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



49.4895, 59.9916, 64.2295



60.7097, 59.9916, 87.5711



61.4043, 59.9916, 48.0888

Complementary

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



49.4895, 59.9916, 64.2295



48.3919, 43.2336, 46.3544

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.



64.3361, 59.9916, 55.5109



49.4895, 59.9916, 64.2295



63.9218, 59.9916, 78.3489

Square

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



49.4895, 59.9916, 64.2295



56.6379, 59.9916, 90.6190



65.2786, 59.9916, 66.4241



57.4042, 59.9916, 45.2321

Rectangle

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



49.4895, 59.9916, 64.2295



51.8223, 59.9916, 83.3691



65.2786, 59.9916, 66.4241



62.5546, 59.9916, 50.0853

Sweetspot

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



49.4912, 59.9941, 64.2309



88.0748, 96.4862, 104.8660



48.4444, 59.9189, 43.1957



18.7291, 20.5903, 22.3723



0.0000, 0.0000, 0.0000



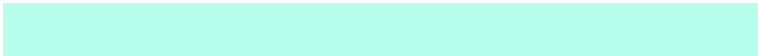
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4912, 59.9941, 64.2309



70.0422, 87.4356, 92.9305



48.1290, 54.7172, 71.6460



12.6533, 14.0523, 15.2549



18.4394, 30.6311, 25.4075



1.1444, 1.8604, 1.7019

Inverse Universe

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



48.3919, 43.2336, 46.3544



68.1458, 58.4768, 62.0580



49.4170, 47.2302, 40.6952



12.5494, 12.4712, 13.5672



17.1929, 8.8135, 3.0537



1.0705, 0.5450, 0.3605

Previews

White Background



This preview shows how the XYZ color 49.4895, 59.9916, 64.2295 looks on a white background.

Color Contrast Check

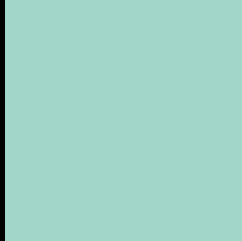
Large Text (above 18pt) WCAG AA × Fail

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 49.4895, 59.9916, 64.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

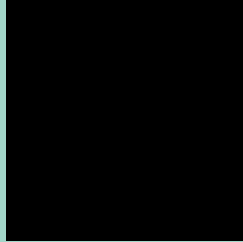
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4895, 59.9916, 64.2295

Background



This preview shows how black text looks on a background with the XYZ color 49.4895, 59.9916, 64.2295.

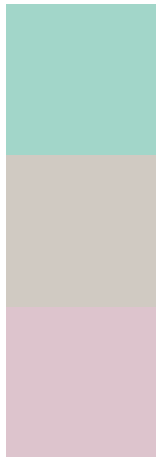


This preview shows how white text looks on a background with the XYZ color 49.4895, 59.9916,

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

49.4895, 59.9916, 64.2295

Protanopia

56.8706, 59.5460, 59.5351

Deuteranopia

60.5782, 59.2598, 66.0031



Tritanopia

52.8481, 59.8547, 81.4408

Trichromacy



Original Color

49.4895, 59.9916, 64.2295

Protanomaly

53.6352, 59.2502, 61.4329

Deuteranomaly

56.0744, 59.3509, 65.6272

Tritanomaly

51.4662, 59.6498, 75.1307

Monochromacy



Original Color

49.4895, 59.9916, 64.2295

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.3161, 56.9794, 61.7196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4895, 59.9916, 64.2295 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(162, 214, 201)` looks like.

```
.text, #text, p{  
    color:rgb(162, 214, 201)  
}
```

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(162, 214, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 214, 201) }
```

Border

The CSS property to change the border of an element to XYZ 49.4895, 59.9916, 64.2295 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(162, 214, 201) }
```


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

```
.border{ border-color:rgb(162, 214, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 214, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 214, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 214, 201);  
box-shadow:4px 4px 4px 4px rgb(162, 214,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4895, 59.9916, 64.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 214, 201) }
```

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

```
.background{ background-color: rgb(162,  
214, 201) }
```

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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