

Converting Colors

XYZ(52.0752, 59.6792, 63.2420)

Have a look what the booklet for
XYZ(52.0752, 59.6792, 63.2420)
contains.

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Color

**XYZ(52.2943, 59.9666,
63.4621)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D2C8
RGB	180, 210, 200
RGB Percent	71%, 82%, 78%
CMY	0.2941, 0.1765, 0.2157
CMYK	0.14, 0.00, 0.05, 0.18
HSL	160°, 25%, 76%
HSV	160°, 14%, 82%
XYZ	52.2943, 59.9666, 63.4621
YIQ	199.8900, -14.6700, -9.4700

Conversions

Conversions Part 2

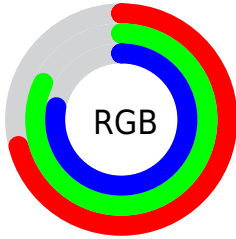
Format	Color
RYB	180, 198, 210
Decimal	11850440
CIELab	81.82, -11.93, 1.59
CIElCh	82, 12.035, 172.400
Yxy	59.9666, 0.2976, 0.3413
Android (android.graphics.Color)	4290040520 (0xFFB4D2C8)
YUV	199.8900, 0.0542, -17.4435
Hunter-Lab	77.4381, -14.9748, 5.6173

Details

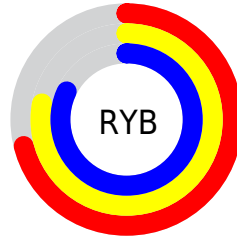
The XYZ color **52.2943, 59.9666, 63.4621** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1960, 50.0634, 55.6300**, and the grayscale version is **54.8395, 57.6955, 62.8303**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **25.6620, 30.0300, 31.6380** is the 20% darker color. If you saturate the color by 10%, you get **46.9717, 57.3167, 59.0396**, and if you desaturate by 10%, it is **58.3985, 63.0184, 68.1193**.

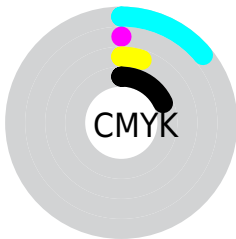
Distribution



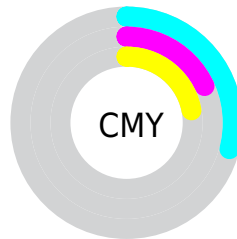
- Red (71%)
- Green (82%)
- Blue (78%)



- Red (71%)
- Yellow (78%)
- Blue (82%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



- Cyan (29%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2943, 59.9666, 63.4621 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 52.2943, 59.9666, 63.4621 by changing the saturation by 10% instead.

■ 52.2943, 59.9666,
63.4621

■ 52.2943, 59.9666,
63.4621

385.8770,
424.4746, 455.3986

■ 37.4649, 43.3917,
45.7717

■ 92.7368, 104.7812,
111.4279

■ 25.7430, 30.1926,
31.7184

119.0806,
133.7897, 142.5405

■ 16.7631, 19.9848,
20.8834

149.9933,
167.7116, 178.9641

■ 10.1600, 12.3840,
12.8484

185.8402,
206.9312, 221.1175

■ 5.5683, 7.0058,
7.1948

226.9867,
251.8329, 269.4191

■ 2.6225, 3.4657,
3.5039

273.7980,

■ 0.9574, 1.3794,

302.8011, 324.2875

1.3573

326.6397,
360.2202, 386.1411

■ 0.0000, 0.2015,
0.1081

■ 0.0000, 0.0000,
0.0000

■ 52.2943, 59.9666,
63.4621

■ 52.2943, 59.9666,
63.4621

■ 46.9717, 57.3167,
59.0396

■ 58.3985, 63.0184,
68.1193

■ 42.3918, 55.0439,
54.8437

■ 65.3109, 66.4807,
73.0113

■ 38.5202, 53.1319,
50.8714

■ 73.0629, 70.3714,
78.1432

■ 35.3175, 51.5606,
47.1181

■ 78.2924, 72.9573,
83.3602

■ 32.7403, 50.3076,
43.5791

■ 79.2845, 73.3541,
88.5844

■ 30.7399, 49.3480,
40.2492

■ 80.3164, 73.7669,
94.0183

■ 29.2600, 48.6528,
37.1229

■ 81.3885, 74.1957,
99.6643

■ 28.2325, 48.1868,
34.1942

■ 82.3377, 74.5754,
104.6626

■ 27.7805, 47.9885,
32.6052

Harmonies

Analogous

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



53.2164, 59.9666, 57.1309



52.2943, 59.9666, 63.4621



52.6021, 59.9666, 70.7660

Triad

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



52.2943, 59.9666, 63.4621



58.8766, 59.9666, 79.0878



60.0265, 59.9666, 54.8334

Complementary

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



52.2943, 59.9666, 63.4621



52.1960, 50.0634, 55.6300

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.



61.6289, 59.9666, 60.1105



52.2943, 59.9666, 63.4621



60.9514, 59.9666, 74.1986

Square

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



52.2943, 59.9666, 63.4621



56.3534, 59.9666, 80.1514



61.9724, 59.9666, 67.1597



57.6444, 59.9666, 52.3954

Rectangle

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



52.2943, 59.9666, 63.4621



53.4678, 59.9666, 75.1794



61.9724, 59.9666, 67.1597



60.6771, 59.9666, 56.3145

Sweetspot

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



52.2960, 59.9691, 63.4634



90.8537, 97.8994, 105.8709



52.6471, 60.4028, 52.0650



19.2825, 20.8725, 22.5402



0.0000, 0.0000, 0.0000



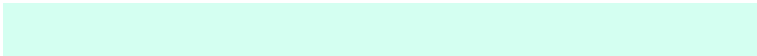
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2960, 59.9691, 63.4634



78.6202, 91.7889, 96.4381



52.4083, 58.2611, 69.4590



11.9838, 13.3373, 14.2712



16.9932, 29.2902, 20.1423



0.9862, 1.6521, 1.3158

Inverse Universe

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



52.1960, 50.0634, 55.6300



78.4377, 73.6688, 82.1110



52.0630, 51.4876, 50.3750



11.9690, 11.8723, 13.1125



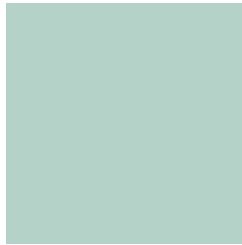
16.9289, 8.6444, 4.5320



0.9831, 0.4980, 0.4458

Previews

White Background



This preview shows how the XYZ color 52.2943, 59.9666, 63.4621 looks on a white background.

Color Contrast Check

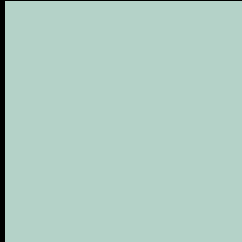
Large Text (above 18pt) WCAG AA × Fail

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 52.2943, 59.9666, 63.4621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

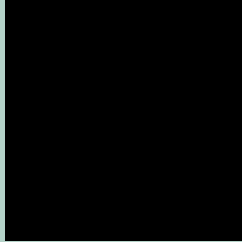
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2943, 59.9666, 63.4621

Background



This preview shows how black text looks on a background with the XYZ color 52.2943, 59.9666, 63.4621.

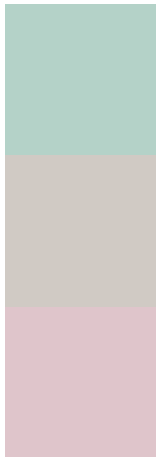


This preview shows how white text looks on a background with the XYZ color 52.2943, 59.9666,

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

52.2943, 59.9666, 63.4621

Protanopia

57.0968, 59.6365, 60.7262

Deuteranopia

61.1772, 59.9323, 64.8436



Tritanopia

55.3993, 60.1437, 78.5011

Trichromacy



Original Color

52.2943, 59.9666, 63.4621

Protanomaly

55.1981, 59.6996, 61.4373

Deuteranomaly

57.5133, 59.7707, 64.3827

Tritanomaly

54.3501, 60.0853, 73.0231

Monochromacy



Original Color

52.2943, 59.9666, 63.4621

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.0105, 58.6933, 63.1259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2943, 59.9666, 63.4621 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(180, 210, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 210, 200)  
}
```

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(180, 210, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 210, 200) }
```

Border

The CSS property to change the border of an element to XYZ 52.2943, 59.9666, 63.4621 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(180, 210, 200) }
```


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

```
.border{ border-color:rgb(180, 210, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 210, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 210, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 210, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 210,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2943, 59.9666, 63.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 210, 200) }
```

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

```
.background{ background-color: rgb(180,  
210, 200) }
```

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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