

Converting Colors

XYZ(47.8672, 54.6104, 63.7511)

Have a look what the booklet for
XYZ(47.8672, 54.6104, 63.7511)
contains.

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Color

**XYZ(47.6958, 54.3624,
63.8563)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C9CA
RGB	168, 201, 202
RGB Percent	66%, 79%, 79%
CMY	0.3412, 0.2117, 0.2078
CMYK	0.17, 0.00, 0.00, 0.21
HSL	182°, 24%, 73%
HSV	182°, 17%, 79%
XYZ	47.6958, 54.3624, 63.8563
YIQ	191.2470, -19.9890, -6.6850

Conversions

Conversions Part 2

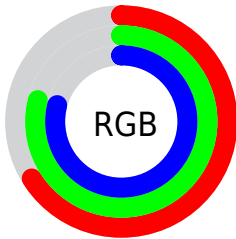
Format	Color
RYB	168, 185, 202
Decimal	11061706
CIELab	78.67, -10.74, -4.18
CIELCh	79, 11.527, 201.262
Yxy	54.3624, 0.2875, 0.3277
Android (android.graphics.Color)	4289251786 (0xFFA8C9CA)
YUV	191.2470, 5.3012, -20.3876
Hunter-Lab	73.7309, -13.5590, 0.2621

Details

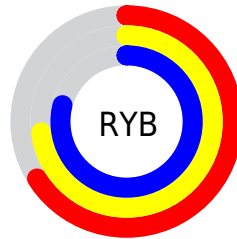
The XYZ color **47.6958, 54.3624, 63.8563** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6135, 43.7597, 43.0892**, and the grayscale version is **49.6444, 52.2297, 56.8782**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **22.8492, 26.6504, 31.9567** is the 20% darker color. If you saturate the color by 10%, you get **43.5876, 52.0413, 63.6257**, and if you desaturate by 10%, it is **52.4758, 57.0335, 64.1208**.

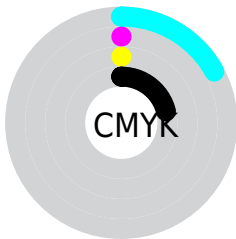
Distribution



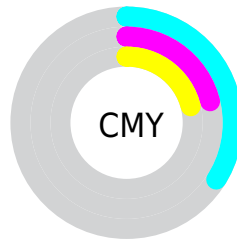
- Red (66%)
- Green (79%)
- Blue (79%)



- Red (66%)
- Yellow (73%)
- Blue (79%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (34%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6958, 54.3624, 63.8563 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 47.6958, 54.3624, 63.8563 by changing the saturation by 10% instead.

■ 47.6958, 54.3624,
63.8563

■ 47.6958, 54.3624,
63.8563

368.1878,
403.4904, 456.8637

■ 33.7963, 38.8915,
46.0889

■ 85.9637, 96.6061,
112.0014

■ 22.8993, 26.6753,
31.9668

■ 111.0629,
124.1477, 143.2162

■ 14.6395, 17.3295,
21.0715

140.6260,
156.4817, 179.7505

■ 8.6514, 10.4697,
12.9845

175.0184,
193.9924, 222.0229

■ 4.5698, 5.7115,
7.2873

214.6054,
237.0642, 270.4518

■ 2.0293, 2.6704,
3.5613

259.7524,

■ 0.6503, 0.9622,

286.0816, 325.4559

1.3879

310.8247,
341.4288, 387.4537

■ 0.0000, 0.0000,
0.1322

■ 0.0000, 0.0000,
0.0000

■ 47.6958, 54.3624,
63.8563

■ 47.6958, 54.3624,
63.8563

■ 43.5876, 52.0413,
63.6257

■ 52.4758, 57.0335,
64.1208

■ 40.1156, 50.0475,
63.4238

■ 57.9515, 60.0626,
64.4169

■ 37.2483, 48.3663,
63.2505

■ 64.1517, 63.4659,
64.7470

■ 34.9495, 46.9790,
63.1038

■ 71.1019, 67.2567,
65.1124

■ 33.1793, 45.8649,
62.9821

■ 73.4858, 68.6943,
65.2642

■ 31.8924, 45.0007,
62.8831

■ 73.6269, 68.9764,
65.3112

■ 31.0361, 44.3594,
62.8045

■ 73.7685, 69.2596,
65.3584

■ 30.5405, 43.9047,
62.7428

■ 73.9106, 69.5439,
65.4058

■ 30.4180, 43.7786,
62.7249

■ 74.0533, 69.8293,
65.4534

Harmonies

Analogous

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



47.4618, 54.3624, 57.3068



47.6958, 54.3624, 63.8563



48.9781, 54.3624, 69.5214

Triad

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



47.6958, 54.3624, 63.8563



55.1610, 54.3624, 67.3901



52.3378, 54.3624, 47.6421

Complementary

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



47.6958, 54.3624, 63.8563



45.6135, 43.7597, 43.0892

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.



54.4584, 54.3624, 49.9390



47.6958, 54.3624, 63.8563



56.1195, 54.3624, 61.1169

Square

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



47.6958, 54.3624, 63.8563



53.2740, 54.3624, 71.6636



55.8587, 54.3624, 54.7594



50.0982, 54.3624, 48.2574

Rectangle

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



47.6958, 54.3624, 63.8563



50.2760, 54.3624, 71.8785



55.8587, 54.3624, 54.7594



53.0892, 54.3624, 48.0926

Sweetspot

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



47.6974, 54.3646, 63.8575



90.3946, 97.4231, 108.6480



44.3908, 53.4152, 45.2948



19.2134, 20.7778, 23.2478



0.0000, 0.0000, 0.0000



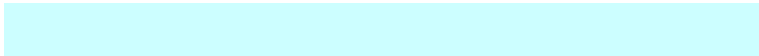
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6974, 54.3646, 63.8575



78.2365, 90.6266, 107.9769



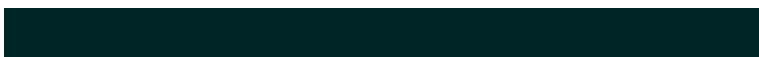
44.0408, 47.0515, 62.6387



11.5140, 12.6684, 14.4088



19.5854, 28.1947, 40.3661



1.0195, 1.4727, 2.0855

Inverse Universe

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



48.9037, 44.7801, 61.3268



80.6429, 71.5698, 102.9141



48.8937, 50.3203, 44.1827



11.6728, 11.3978, 14.0775



22.0967, 10.6493, 34.5574



1.1445, 0.5512, 1.8069

Previews

White Background



This preview shows how the XYZ color 47.6958, 54.3624, 63.8563 looks on a white background.

Color Contrast Check

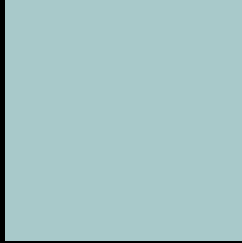
Large Text (above 18pt) WCAG AA × Fail

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 47.6958, 54.3624, 63.8563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

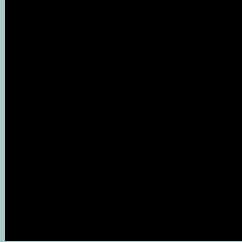
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6958, 54.3624, 63.8563

Background



This preview shows how black text looks on a background with the XYZ color 47.6958, 54.3624, 63.8563.

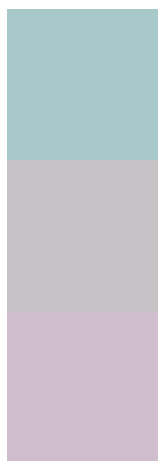


This preview shows how white text looks on a background with the XYZ color 47.6958, 54.3624,

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

47.6958, 54.3624, 63.8563

Protanopia

52.1740, 54.0415, 60.5045

Deuteranopia

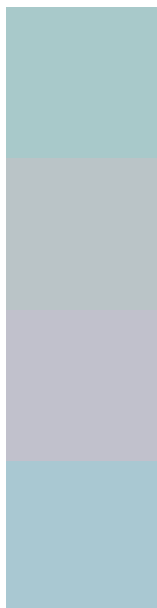
55.2295, 54.2129, 65.3108



Tritanopia

49.2667, 54.2992, 72.1741

Trichromacy



Original Color

47.6958, 54.3624, 63.8563

Protanomaly

50.2984, 54.0425, 61.8131

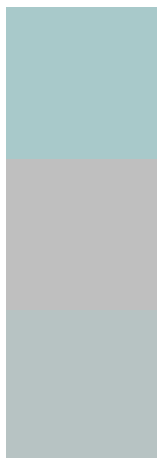
Deuteranomaly

51.9614, 53.8370, 64.7797

Tritanomaly

48.6493, 54.3967, 68.9083

Monochromacy



Original Color

47.6958, 54.3624, 63.8563

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.8939, 53.0376, 59.2901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6958, 54.3624, 63.8563 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(168, 201, 202)` looks like.

```
.text, #text, p{  
    color:rgb(168, 201, 202)  
}
```

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(168, 201, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 201, 202) }
```

Border

The CSS property to change the border of an element to XYZ 47.6958, 54.3624, 63.8563 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(168, 201, 202) }
```


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

```
.border{ border-color:rgb(168, 201, 202) }
```

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

Here you see how a box with a 4 pixel rgb(168, 201, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 201, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 201, 202);  
box-shadow:4px 4px 4px 4px rgb(168, 201,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6958, 54.3624, 63.8563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 201, 202) }
```

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

```
.background{ background-color: rgb(168,  
201, 202) }
```

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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