

Converting Colors

XYZ(48.8973, 54.9741, 69.2720)

Have a look what the booklet for
XYZ(48.8973, 54.9741, 69.2720)
contains.

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Color

**XYZ(48.6680, 54.7513,
68.9757)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C9D2
RGB	168, 201, 210
RGB Percent	66%, 79%, 82%
CMY	0.3412, 0.2117, 0.1765
CMYK	0.20, 0.04, 0.00, 0.18
HSL	193°, 32%, 74%
HSV	193°, 20%, 82%
XYZ	48.6680, 54.7513, 68.9757
YIQ	192.1590, -22.5570, -4.1970

Conversions

Conversions Part 2

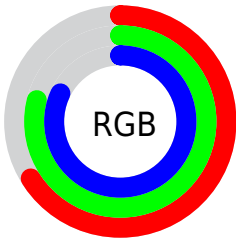
Format	Color
RYB	168, 186, 210
Decimal	11061714
CIELab	78.90, -9.03, -8.15
CIELCh	79, 12.166, 222.067
Yxy	54.7513, 0.2823, 0.3176
Android (android.graphics.Color)	4289251794 (0xFFA8C9D2)
YUV	192.1590, 8.7956, -21.1874
Hunter-Lab	73.9941, -12.0853, -3.4730

Details

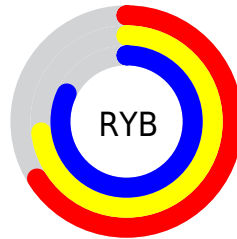
The XYZ color **48.6680, 54.7513, 68.9757** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3689, 47.9732, 43.7047**, and the grayscale version is **50.1568, 52.7688, 57.4653**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **23.5047, 26.9126, 35.4083** is the 20% darker color. If you saturate the color by 10%, you get **43.5202, 50.5647, 68.4398**, and if you desaturate by 10%, it is **54.5718, 59.3760, 69.5581**.

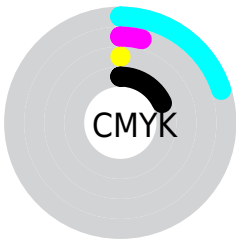
Distribution



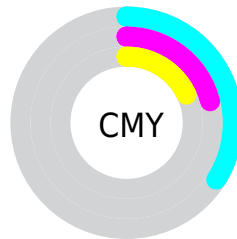
- Red (66%)
- Green (79%)
- Blue (82%)



- Red (66%)
- Yellow (73%)
- Blue (82%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (34%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6680, 54.7513, 68.9757 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 48.6680, 54.7513, 68.9757 by changing the saturation by 10% instead.

■ 48.6680, 54.7513,
68.9757

■ 48.6680, 54.7513,
68.9757

371.9725,
404.9685, 475.6369

■ 34.5696, 39.2026,
50.2203

■ 87.4019, 97.1765,
119.4142

■ 23.4965, 26.9174,
35.2161

■ 112.7681,
124.8218, 151.9345

■ 15.0833, 17.5112,
23.5445

142.6209,
157.2681, 189.8800

■ 8.9645, 10.5996,
14.7870

177.3258,
194.8998, 233.6694

■ 4.7750, 5.7983,
8.5251

217.2480,
238.1013, 283.7213

■ 2.1492, 2.7228,
4.3402

262.7530,

■ 0.7158, 0.9888,

287.2570, 340.4541

1.8138

314.2060,
342.7513, 404.2865

■ 0.0000, 0.0000,
0.4370

■ 0.0000, 0.0000,
0.0000

■ 48.6680, 54.7513,
68.9757

■ 48.6680, 54.7513,
68.9757

■ 43.5202, 50.5647,
68.4398

■ 54.5718, 59.3760,
69.5581

■ 39.0886, 46.7912,
67.9450

■ 61.2591, 64.4492,
70.1849

■ 35.3373, 43.4132,
67.4907

■ 68.7623, 69.9894,
70.8587

■ 32.2248, 40.4089,
67.0749

■ 77.1103, 76.0118,
71.5812

■ 29.7052, 37.7544,
66.6953

■ 79.3939, 78.9549,
72.0289

■ 27.7263, 35.4222,
66.3494

■ 80.6155, 81.3981,
72.4361

■ 26.2259, 33.3799,
66.0343

■ 81.8692, 83.9056,
72.8540

■ 25.0908, 31.5687,
65.7445

■ 83.1554, 86.4781,
73.2828

■ 25.0907, 31.5686,
65.7445

■ 84.4743, 89.1159,
73.7224

Harmonies

Analogous

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



47.6296, 54.7513, 62.4382



48.6680, 54.7513, 68.9757



50.6228, 54.7513, 73.1829

Triad

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



48.6680, 54.7513, 68.9757



56.5834, 54.7513, 63.8039



51.0748, 54.7513, 47.5333

Complementary

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



48.6680, 54.7513, 68.9757



49.3689, 47.9732, 43.7047

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.



53.4823, 54.7513, 47.8368



48.6680, 54.7513, 68.9757



56.7135, 54.7513, 56.8779

Square

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



48.6680, 54.7513, 68.9757



55.2129, 54.7513, 70.0418



55.5632, 54.7513, 51.1417



48.9901, 54.7513, 50.2778

Rectangle

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



48.6680, 54.7513, 68.9757



52.2071, 54.7513, 73.9162



55.5632, 54.7513, 51.1417



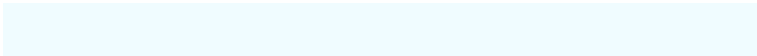
51.8722, 54.7513, 47.2885

Sweetspot

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



48.6696, 54.7535, 68.9769



88.6067, 95.1394, 108.3014



47.0722, 57.5695, 49.9143



18.8213, 20.2539, 23.1674



0.0000, 0.0000, 0.0000



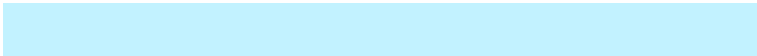
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6696, 54.7535, 68.9769



71.9661, 82.1014, 106.6619



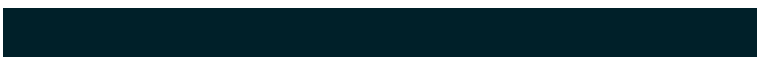
44.2251, 45.8645, 67.4954



11.9345, 12.9592, 15.1160



15.3806, 19.4077, 40.1279



0.9149, 1.1949, 2.2620

Inverse Universe

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



51.1249, 45.9253, 61.4308



76.4977, 66.1588, 92.6555



53.7044, 56.6442, 45.1499



12.1978, 11.9639, 14.3176



20.3941, 10.0305, 22.7794



1.1680, 0.5719, 1.4196

Previews

White Background



This preview shows how the XYZ color 48.6680, 54.7513, 68.9757 looks on a white background.

Color Contrast Check

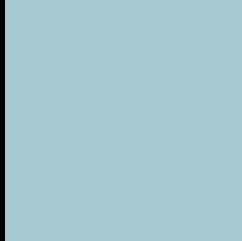
Large Text (above 18pt) WCAG AA × Fail

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 48.6680, 54.7513, 68.9757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

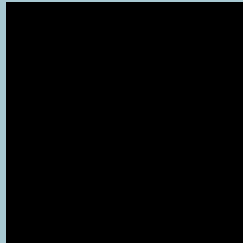
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6680, 54.7513, 68.9757

Background



This preview shows how black text looks on a background with the XYZ color 48.6680, 54.7513, 68.9757.

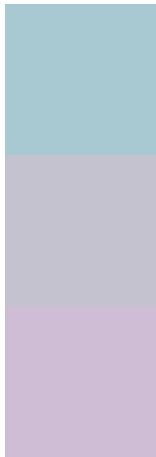


This preview shows how white text looks on a background with the XYZ color 48.6680, 54.7513,

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

48.6680, 54.7513, 68.9757

Protanopia

52.9380, 54.6419, 66.1493

Deuteranopia

55.5349, 54.2705, 69.8356



Tritanopia

49.4111, 54.7014, 72.9199

Trichromacy



Original Color

48.6680, 54.7513, 68.9757

Protanomaly

51.2363, 54.7518, 66.8992

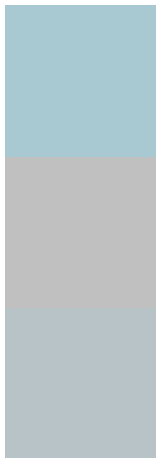
Deuteranomaly

52.5661, 54.0495, 69.2901

Tritanomaly

49.1541, 54.5986, 71.5662

Monochromacy



Original Color

48.6680, 54.7513, 68.9757

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.3523, 53.2210, 61.7044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6680, 54.7513, 68.9757 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(168, 201, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 201, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.6680, 54.7513, 68.9757 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, 210) }
```


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

```
.border{ border-color:rgb(168, 201, 210) }
```

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, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 201, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 201, 210);  
box-shadow:4px 4px 4px 4px rgb(168, 201,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6680, 54.7513, 68.9757 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, 210) }
```

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

```
.background{ background-color: rgb(168,  
201, 210) }
```

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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