

Converting Colors

XYZ(46.8683, 54.8574, 69.7463)

Have a look what the booklet for
XYZ(46.8683, 54.8574, 69.7463)
contains.

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Color

**XYZ(46.8683, 54.8574,
69.7463)**

Conversions

Conversions Part 1

Format	Color
Hex	9BCCD3
RGB	155, 204, 211
RGB Percent	61%, 80%, 83%
CMY	0.3921, 0.2000, 0.1725
CMYK	0.27, 0.03, 0.00, 0.17
HSL	187°, 39%, 72%
HSV	187°, 27%, 83%
XYZ	46.8683, 54.8574, 69.7463
YIQ	190.1470, -31.4510, -8.2110

Conversions

Conversions Part 2

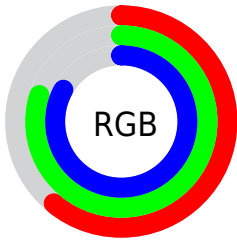
Format	Color
R _{YB}	155, 181, 211
Decimal	10210515
CIE _{Lab}	78.96, -14.29, -8.68
CIE _{LCh}	79, 16.720, 211.286
Yxy	54.8574, 0.2733, 0.3199
Android (android.graphics.Color)	4288400595 (0xFF9BCCD3)
YUV	190.1470, 10.2805, -30.8239
Hunter-Lab	74.0658, -16.6616, -3.9862

Details

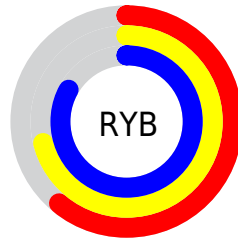
The XYZ color **46.8683, 54.8574, 69.7463** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7014, 42.0565, 36.7206**, and the grayscale version is **48.9851, 51.5361, 56.1229**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **22.4716, 27.0718, 35.9393** is the 20% darker color. If you saturate the color by 10%, you get **42.5464, 51.7083, 69.3672**, and if you desaturate by 10%, it is **51.9116, 58.3970, 70.1646**.

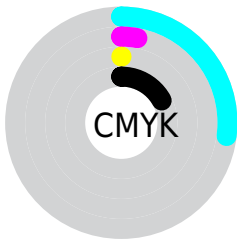
Distribution



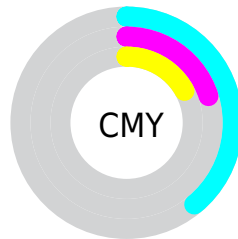
- Red (61%)
- Green (80%)
- Blue (83%)



- Red (61%)
- Yellow (71%)
- Blue (83%)



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)





- Cyan (39%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8683, 54.8574, 69.7463 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 46.8683, 54.8574, 69.7463 by changing the saturation by 10% instead.


 46.8683, 54.8574,
69.7463


 46.8683, 54.8574,
69.7463


364.9463,
405.3712, 478.4238

 33.1391, 39.2876,
50.8442


 84.7369, 97.3320,
120.5246

 22.3927, 26.9835,
35.7088


 109.6071,
125.0055, 153.2379

 14.2640, 17.5608,
23.9214


138.9215,
157.4824, 191.3920

 8.3874, 10.6352,
15.0637

173.0457,
195.1471, 235.4055

 4.3977, 5.8221,
8.7170

212.3449,
238.3839, 285.6969

 1.9295, 2.7372,
4.4628

257.1845,

 0.5939, 0.9961,

287.5773, 342.6847

1.8825

307.9298,
343.1115, 406.7875

■ 0.0000, 0.0000,
0.4816

■ 0.0000, 0.0000,
0.0000

■ 46.8683, 54.8574,
69.7463

■ 46.8683, 54.8574,
69.7463

■ 42.5464, 51.7083,
69.3672

■ 51.9116, 58.3970,
70.1646

■ 38.9042, 48.9238,
69.0217

■ 57.7057, 62.3380,
70.6199

■ 35.9031, 46.4855,
68.7092

■ 64.2842, 66.6993,
71.1150

■ 33.4987, 44.3702,
68.4276

■ 71.6771, 71.4964,
71.6513

■ 31.6407, 42.5522,
68.1746

■ 77.8591, 75.6854,
72.1340

■ 30.2705, 41.0009,
67.9474

■ 78.5450, 77.0571,
72.3626

■ 29.3131, 39.6777,
67.7425

■ 79.2418, 78.4506,
72.5949

■ 29.0307, 39.2486,
67.6745

■ 79.9495, 79.8661,
72.8308

■ 80.6682, 81.3036,
73.0704

Harmonies

Analogous

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



46.0097, 54.8574, 60.1421



46.8683, 54.8574, 69.7463



49.1304, 54.8574, 77.2597

Triad

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



46.8683, 54.8574, 69.7463



57.9473, 54.8574, 68.9603



51.9970, 54.8574, 43.2400

Complementary

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



46.8683, 54.8574, 69.7463



45.7014, 42.0565, 36.7206

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.



55.2707, 54.8574, 45.0759



46.8683, 54.8574, 69.7463



58.7927, 54.8574, 59.3206

Square

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



46.8683, 54.8574, 69.7463



55.5294, 54.8574, 76.7731



57.7936, 54.8574, 50.7224



48.8920, 54.8574, 45.4172

Rectangle

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



46.8683, 54.8574, 69.7463



51.1783, 54.8574, 79.7057



57.7936, 54.8574, 50.7224



53.1143, 54.8574, 43.4068

Sweetspot

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



46.8699, 54.8596, 69.7476



87.1312, 94.7185, 108.2979



43.2931, 56.1502, 42.5228



18.3498, 20.0712, 23.1569



0.0000, 0.0000, 0.0000



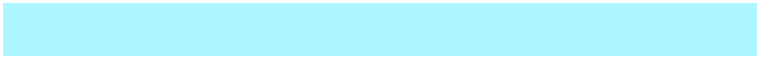
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8699, 54.8596, 69.7476



67.9651, 81.3358, 106.7250



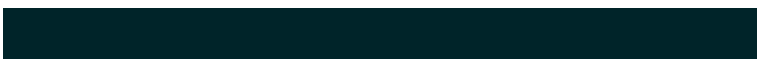
40.8936, 42.9069, 67.7554



12.0271, 13.1444, 15.1469



17.5715, 23.7897, 40.8582



1.0186, 1.4025, 2.2966

Inverse Universe

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



49.4857, 41.6525, 62.5607



72.7118, 57.8813, 93.5688



51.0939, 52.8416, 38.5181



12.2446, 11.9826, 14.5637



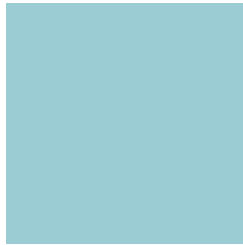
21.5000, 10.4729, 28.6030



1.2204, 0.5929, 1.6954

Previews

White Background



This preview shows how the XYZ color 46.8683, 54.8574, 69.7463 looks on a white background.

Color Contrast Check

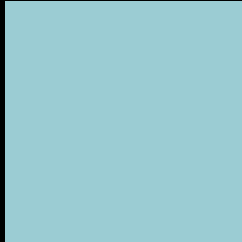
Large Text (above 18pt) WCAG AA × Fail

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 46.8683, 54.8574, 69.7463 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 46.8683, 54.8574, 69.7463

Background



This preview shows how black text looks on a background with the XYZ color 46.8683, 54.8574, 69.7463.



This preview shows how white text looks on a background with the XYZ color 46.8683, 54.8574,

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

46.8683, 54.8574, 69.7463

Protanopia

52.8169, 54.5935, 65.5114

Deuteranopia

55.7279, 54.6611, 71.2318



Tritanopia

48.0467, 54.9944, 75.1005

Trichromacy



Original Color

46.8683, 54.8574, 69.7463

Protanomaly

50.2790, 54.5965, 66.9197

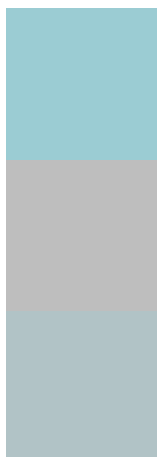
Deuteranomaly

52.0189, 54.3991, 70.7092

Tritanomaly

47.4609, 54.7377, 73.0297

Monochromacy



Original Color

46.8683, 54.8574, 69.7463

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8396, 52.4545, 61.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8683, 54.8574, 69.7463 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(155, 204, 211)` looks like.

```
.text, #text, p{  
    color:rgb(155, 204, 211)  
}
```

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(155, 204, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 204, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.8683, 54.8574, 69.7463 is called "border". The border property can be set on classes, ids or directly on the HTML element.

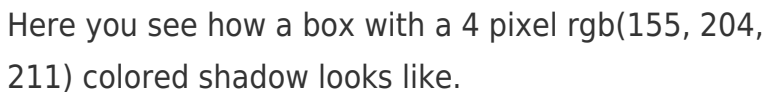
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 204, 211) }
```


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

```
.border{ border-color:rgb(155, 204, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 204, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 204, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 204, 211); box-shadow:4px 4px 4px 4px rgb(155, 204, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8683, 54.8574, 69.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 204, 211) }
```

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

```
.background{ background-color: rgb(155,  
204, 211) }
```

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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