

Converting Colors

XYZ(47.0051, 53.3571, 69.4323)

Have a look what the booklet for
XYZ(47.0051, 53.3571, 69.4323)
contains.

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Color

**XYZ(46.8792, 53.1271,
69.4118)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C7D3
RGB	161, 199, 211
RGB Percent	63%, 78%, 83%
CMY	0.3686, 0.2196, 0.1725
CMYK	0.24, 0.06, 0.00, 0.17
HSL	194°, 36%, 73%
HSV	194°, 24%, 83%
XYZ	46.8792, 53.1271, 69.4118
YIQ	189.0060, -26.5000, -4.3240

Conversions

Conversions Part 2

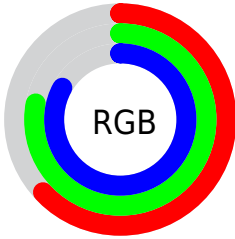
Format	Color
RYB	161, 183, 211
Decimal	10602451
CIELab	77.95, -9.91, -10.15
CIELCh	78, 14.182, 225.681
Yxy	53.1271, 0.2767, 0.3136
Android (android.graphics.Color)	4288792531 (0xFFA1C7D3)
YUV	189.0060, 10.8430, -24.5613
Hunter-Lab	72.8883, -12.7497, -5.4402

Details

The XYZ color **46.8792, 53.1271, 69.4118** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2410, 46.3092, 40.1152**, and the grayscale version is **48.3253, 50.8420, 55.3669**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **22.3955, 25.8733, 35.7120** is the 20% darker color. If you saturate the color by 10%, you get **41.8354, 48.8276, 68.8486**, and if you desaturate by 10%, it is **52.6824, 57.8784, 70.0239**.

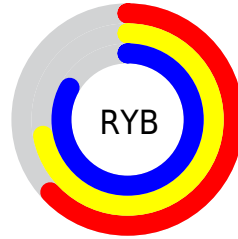
Distribution



Red (63%)

Green (78%)

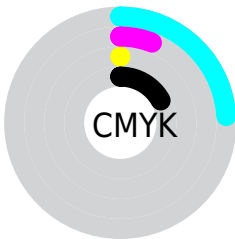
Blue (83%)



Red (63%)

Yellow (72%)

Blue (83%)

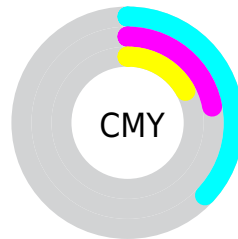


Cyan (24%)

Magenta (6%)

Yellow (0%)

Black (17%)



Cyan (37%)

Magenta (22%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8792, 53.1271, 69.4118 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 46.8792, 53.1271, 69.4118 by changing the saturation by 10% instead.

■ 46.8792, 53.1271,
69.4118

■ 46.8792, 53.1271,
69.4118

364.9891,
398.7726, 477.2152

■ 33.1477, 37.9042,
50.5733

■ 84.7531, 94.7914,
120.0428

■ 22.3994, 25.9084,
35.4948

■ 109.6263,
122.0016, 152.6724

■ 14.2689, 16.7551,
23.7577

138.9440,
153.9763, 190.7361

■ 8.3909, 10.0600,
14.9434

173.0717,
191.1001, 234.6524

■ 4.4000, 5.4388,
8.6335

212.3747,
233.7572, 284.8400

■ 1.9308, 2.5069,
4.4094

257.2184,

■ 0.5946, 0.8801,

282.3320, 341.7173

1.8525

307.9680,
337.2090, 405.7029

■ 0.0000, 0.0000,
0.4623

■ 0.0000, 0.0000,
0.0000

■ 46.8792, 53.1271,
69.4118

■ 46.8792, 53.1271,
69.4118

■ 41.8354, 48.8276,
68.8486

■ 52.6824, 57.8784,
70.0239

■ 37.5100, 44.9540,
68.3289

■ 59.2742, 63.0929,
70.6830

■ 33.8651, 41.4876,
67.8520

■ 66.6878, 68.7898,
71.3918

■ 30.8571, 38.4055,
67.4156

■ 74.9532, 74.9849,
72.1520

28.4373, 35.6819,
67.0174

79.7395, 79.4461,
72.7608

26.5496, 33.2873,
66.6547

81.1231, 82.2133,
73.2220

25.1260, 31.1861,
66.3242

82.5476, 85.0624,
73.6969

24.3934, 29.9740,
66.1288

84.0134, 87.9939,
74.1855

85.5207, 91.0085,
74.6879

Harmonies

Analogous

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



45.5583, 53.1271, 62.0508



46.8792, 53.1271, 69.4118



49.1950, 53.1271, 73.8520

Triad

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



46.8792, 53.1271, 69.4118



55.8124, 53.1271, 61.6861



49.0754, 53.1271, 44.4167

Complementary

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



46.8792, 53.1271, 69.4118



48.2410, 46.3092, 40.1152

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.



51.8192, 53.1271, 44.3384



46.8792, 53.1271, 69.4118



55.7776, 53.1271, 53.8363

Square

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



46.8792, 53.1271, 69.4118



54.3872, 53.1271, 69.1239



54.2936, 53.1271, 47.6428



46.7944, 53.1271, 47.8674

Rectangle

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



46.8792, 53.1271, 69.4118



51.0227, 53.1271, 74.3207



54.2936, 53.1271, 47.6428



49.9724, 53.1271, 44.0064

Sweetspot

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



46.8808, 53.1293, 69.4130



87.4340, 94.0680, 108.1564



45.5038, 57.1708, 48.0040



18.5802, 20.0286, 23.1366



0.0000, 0.0000, 0.0000



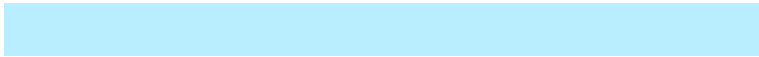
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8808, 53.1293, 69.4130



68.2575, 78.4331, 106.1493



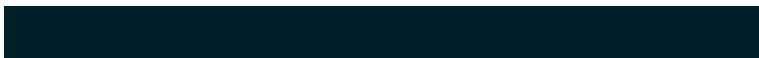
41.6573, 42.6823, 67.6718



11.9080, 12.9063, 15.1072



14.8042, 18.2550, 39.9358



0.8870, 1.1392, 2.2527

Inverse Universe

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



49.9189, 43.4633, 59.7936



73.7107, 61.5403, 88.7805



53.4159, 56.6590, 41.8401



12.1845, 11.9585, 14.2472



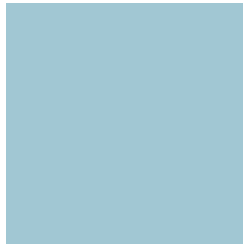
20.1032, 9.9141, 21.2474



1.1540, 0.5663, 1.3455

Previews

White Background



This preview shows how the XYZ color 46.8792, 53.1271, 69.4118 looks on a white background.

Color Contrast Check

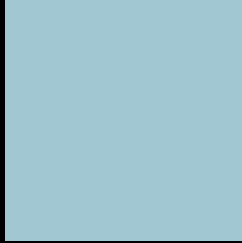
Large Text (above 18pt) WCAG AA × Fail

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 46.8792, 53.1271, 69.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

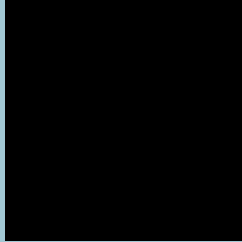
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8792, 53.1271, 69.4118

Background



This preview shows how black text looks on a background with the XYZ color 46.8792, 53.1271, 69.4118.

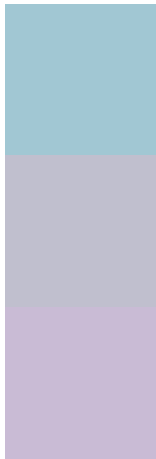


This preview shows how white text looks on a background with the XYZ color 46.8792, 53.1271,

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

46.8792, 53.1271, 69.4118

Protanopia

51.5096, 52.9243, 65.8931

Deuteranopia

53.8680, 52.7623, 70.2958



Tritanopia

47.2320, 52.9246, 71.3444

Trichromacy



Original Color

46.8792, 53.1271, 69.4118

Protanomaly

49.7330, 52.9614, 67.2759

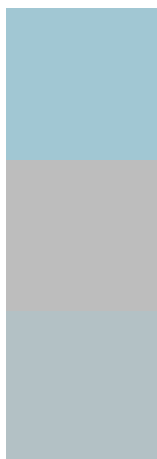
Deuteranomaly

50.7642, 52.4542, 69.7365

Tritanomaly

47.1046, 52.8736, 70.6737

Monochromacy



Original Color

46.8792, 53.1271, 69.4118

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7384, 51.7549, 60.2969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8792, 53.1271, 69.4118 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(161, 199, 211)` looks like.

```
.text, #text, p{  
    color:rgb(161, 199, 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(161, 199, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 199, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.8792, 53.1271, 69.4118 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(161, 199, 211) }
```


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

```
.border{ border-color:rgb(161, 199, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 199, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 199, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 199, 211);  
box-shadow:4px 4px 4px 4px rgb(161, 199,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8792, 53.1271, 69.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 199, 211) }
```

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

```
.background{ background-color: rgb(161,  
199, 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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