

Converting Colors

XYZ(46.7086, 53.3643, 67.0496)

Have a look what the booklet for
XYZ(46.7086, 53.3643, 67.0496)
contains.

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Color

**XYZ(46.8171, 53.4949,
66.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C8CF
RGB	162, 200, 207
RGB Percent	64%, 78%, 81%
CMY	0.3647, 0.2157, 0.1882
CMYK	0.22, 0.03, 0.00, 0.19
HSL	189°, 32%, 72%
HSV	189°, 22%, 81%
XYZ	46.8171, 53.4949, 66.8895
YIQ	189.4360, -24.8950, -5.8790

Conversions

Conversions Part 2

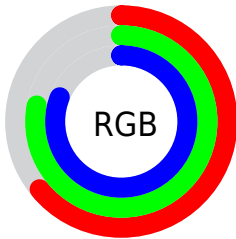
Format	Color
R_{YB}	162, 183, 207
Decimal	10668239
CIE Lab	78.17, -11.02, -7.66
CIE LCh	78, 13.418, 214.825
Yxy	53.4949, 0.2800, 0.3199
Android (android.graphics.Color)	4288858319 (0xFFA2C8CF)
YUV	189.4360, 8.6591, -24.0614
Hunter-Lab	73.1402, -13.7374, -3.0248

Details

The XYZ color **46.8171, 53.4949, 66.8895** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4423, 44.2503, 40.2771**, and the grayscale version is **48.5829, 51.1130, 55.6620**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **22.3353, 26.1089, 33.9993** is the 20% darker color. If you saturate the color by 10%, you get **42.2161, 50.0292, 66.4639**, and if you desaturate by 10%, it is **52.1291, 57.3531, 67.3551**.

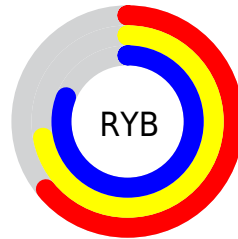
Distribution



Red (64%)

Green (78%)

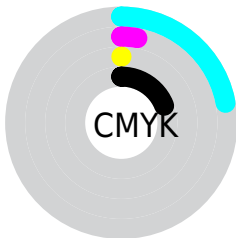
Blue (81%)



Red (64%)

Yellow (72%)

Blue (81%)

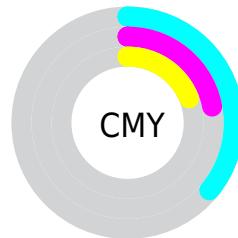


Cyan (22%)

Magenta (3%)

Yellow (0%)

Black (19%)



Cyan (36%)

Magenta (22%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8171, 53.4949, 66.8895 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 46.8171, 53.4949, 66.8895 by changing the saturation by 10% instead.

■ 46.8171, 53.4949,
66.8895

■ 46.8171, 53.4949,
66.8895

364.7451,
400.1810, 468.0421

■ 33.0984, 38.1980,
48.5338

■ 84.6610, 95.3322,
116.4012

■ 22.3615, 26.1364,
33.8868

■ 109.5168,
122.6414, 148.3943

■ 14.2408, 16.9257,
22.5300

138.8159,
154.7235, 185.7703

■ 8.3712, 10.1815,
14.0448

172.9233,
191.9628, 228.9476

■ 4.3872, 5.5195,
8.0127

212.2046,
234.7439, 278.3450

■ 1.9234, 2.5552,
4.0152

257.0251,

■ 0.5904, 0.9042,

283.4510, 334.3808

1.6337

307.7502,
338.4685, 397.4737

■ 0.0000, 0.0000,
0.3147

■ 0.0000, 0.0000,
0.0000

■ 46.8171, 53.4949,
66.8895

■ 46.8171, 53.4949,
66.8895

■ 42.2161, 50.0292,
66.4639

■ 52.1291, 57.3531,
67.3551

■ 38.2875, 46.9320,
66.0732

■ 58.1790, 61.6139,
67.8587

■ 34.9961, 44.1862,
65.7167

■ 64.9980, 66.2947,
68.4027

■ 32.3015, 41.7710,
65.3925

■ 72.6142, 71.4102,
68.9887

■ 30.1585, 39.6630,
65.0985

■ 77.0838, 74.9274,
69.4320

■ 28.5156, 37.8352,
64.8324

■ 77.9171, 76.5940,
69.7098

■ 27.3110, 36.2559,
64.5910

■ 78.7667, 78.2931,
69.9930

■ 26.5560, 35.0918,
64.4061

■ 79.6326, 80.0249,
70.2816

■ 80.5149, 81.7896,
70.5757

Harmonies

Analogous

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



45.9842, 53.4949, 59.4700



46.8171, 53.4949, 66.8895



48.7302, 53.4949, 72.3188

Triad

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



46.8171, 53.4949, 66.8895



55.5469, 53.4949, 64.6087



50.4223, 53.4949, 45.0088

Complementary

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



46.8171, 53.4949, 66.8895



46.4423, 44.2503, 40.2771

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.



53.0207, 53.4949, 46.1301



46.8171, 53.4949, 66.8895



56.0374, 53.4949, 57.0406

Square

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



46.8171, 53.4949, 66.8895



53.7797, 53.4949, 70.9246



55.0982, 53.4949, 50.3827



48.0196, 53.4949, 47.1777

Rectangle

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



46.8171, 53.4949, 66.8895



50.3918, 53.4949, 73.8461



55.0982, 53.4949, 50.3827



51.3015, 53.4949, 45.0153

Sweetspot

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



46.8187, 53.4971, 66.8907



87.9060, 95.0121, 108.3138



44.3522, 55.1633, 45.7244



18.6898, 20.2478, 23.1731



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.



46.8187, 53.4971, 66.8907



71.5206, 83.1179, 106.8816



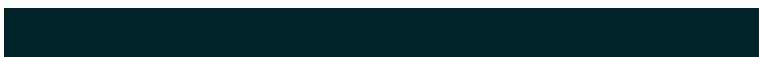
42.0346, 43.9290, 65.2960



11.9953, 13.0808, 15.1363



16.7880, 22.2227, 40.5971



0.9819, 1.3290, 2.2843

Inverse Universe

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



49.0791, 43.2775, 60.4126



75.8073, 64.0999, 94.5154



50.9401, 53.2459, 41.7763



12.2285, 11.9761, 14.4791



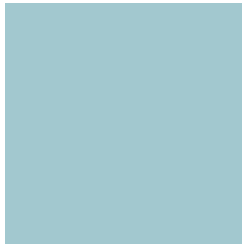
21.1046, 10.3147, 26.5205



1.2018, 0.5855, 1.5977

Previews

White Background



This preview shows how the XYZ color 46.8171, 53.4949, 66.8895 looks on a white background.

Color Contrast Check

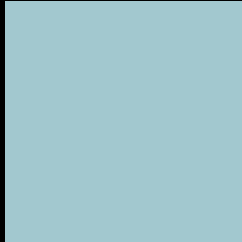
Large Text (above 18pt) WCAG AA × Fail

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 46.8171, 53.4949, 66.8895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

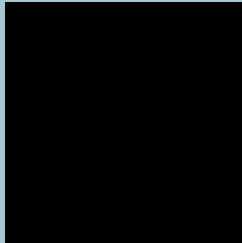
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8171, 53.4949, 66.8895

Background



This preview shows how black text looks on a background with the XYZ color 46.8171, 53.4949, 66.8895.



This preview shows how white text looks on a background with the XYZ color 46.8171, 53.4949,

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

46.8171, 53.4949, 66.8895

Protanopia

51.7584, 53.4329, 63.4627

Deuteranopia

54.3050, 53.0312, 68.3466



Tritanopia

47.9990, 53.6457, 72.1148

Trichromacy



Original Color

46.8171, 53.4949, 66.8895

Protanomaly

49.7056, 53.3349, 64.8016

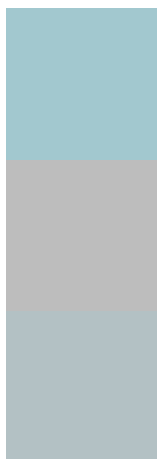
Deuteranomaly

51.3445, 53.1215, 67.8689

Tritanomaly

47.4113, 53.3868, 70.0932

Monochromacy



Original Color

46.8171, 53.4949, 66.8895

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6242, 51.7092, 59.6954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8171, 53.4949, 66.8895 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(162, 200, 207)` looks like.

```
.text, #text, p{  
    color:rgb(162, 200, 207)  
}
```

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(162, 200, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 200, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.8171, 53.4949, 66.8895 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(162, 200, 207) }
```


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

```
.border{ border-color:rgb(162, 200, 207) }
```

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

Here you see how a box with a 4 pixel rgb(162, 200, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 200, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 200, 207);  
box-shadow:4px 4px 4px 4px rgb(162, 200,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8171, 53.4949, 66.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 200, 207) }
```

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

```
.background{ background-color: rgb(162,  
200, 207) }
```

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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