

Converting Colors

XYZ(46.3306, 54.0391, 67.6617)

Have a look what the booklet for
XYZ(46.3306, 54.0391, 67.6617)
contains.

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Color

**XYZ(46.2160, 53.8630,
67.6353)**

Conversions

Conversions Part 1

Format	Color
Hex	9CCAD0
RGB	156, 202, 208
RGB Percent	61%, 79%, 82%
CMY	0.3882, 0.2078, 0.1843
CMYK	0.25, 0.03, 0.00, 0.18
HSL	187°, 36%, 71%
HSV	187°, 25%, 82%
XYZ	46.2160, 53.8630, 67.6353
YIQ	188.9300, -29.3420, -7.8860

Conversions

Conversions Part 2

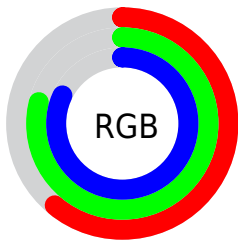
Format	Color
RYB	156, 180, 208
Decimal	10275536
CIELab	78.38, -13.64, -7.92
CIELCh	78, 15.774, 210.142
Yxy	53.8630, 0.2756, 0.3212
Android (android.graphics.Color)	4288465616 (0xFF9CCAD0)
YUV	188.9300, 9.4015, -28.8796
Hunter-Lab	73.3914, -16.0301, -3.2659

Details

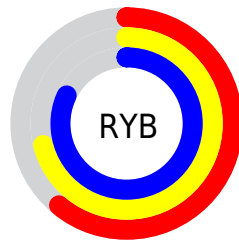
The XYZ color **46.2160, 53.8630, 67.6353** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9342, 41.6513, 37.1249**, and the grayscale version is **48.2910, 50.8059, 55.3276**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **22.0162, 26.3965, 34.5065** is the 20% darker color. If you saturate the color by 10%, you get **41.9725, 50.8475, 67.2778**, and if you desaturate by 10%, it is **51.1607, 57.2556, 68.0304**.

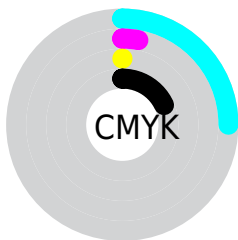
Distribution



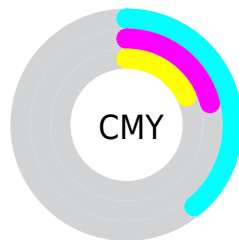
- Red (61%)
- Green (79%)
- Blue (82%)



- Red (61%)
- Yellow (71%)
- Blue (82%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (39%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2160, 53.8630, 67.6353 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 46.2160, 53.8630, 67.6353 by changing the saturation by 10% instead.

■ 46.2160, 53.8630,
67.6353

■ 46.2160, 53.8630,
67.6353

362.3778,
401.5874, 470.7657

■ 32.6216, 38.4921,
49.1363

■ 83.7681, 95.8731,
117.4795

■ 21.9946, 26.3649,
34.3612

■ 108.4565,
123.2811, 149.6618

■ 13.9695, 17.0968,
22.8916

137.5736,
155.4702, 187.2422

■ 8.1810, 10.3035,
14.3090

171.4848,
192.8249, 230.6394

■ 4.2638, 5.6007,
8.1947

210.5555,
235.7296, 280.2717

■ 1.8524, 2.6038,
4.1302

255.1510,

■ 0.5490, 0.9286,

284.5687, 336.5579

1.6970

305.6366,
339.7264, 399.9164

■ 0.0000, 0.0000,
0.3587

■ 0.0000, 0.0000,
0.0000

■ 46.2160, 53.8630,
67.6353

■ 46.2160, 53.8630,
67.6353

■ 41.9725, 50.8475,
67.2778

■ 51.1607, 57.2556,
68.0304

■ 38.3902, 48.1845,
66.9526

■ 56.8344, 61.0358,
68.4610

■ 35.4325, 45.8564,
66.6591

■ 63.2693, 65.2215,
68.9298

■ 33.0572, 43.8413,
66.3954

■ 70.4943, 69.8276,
69.4381

■ 31.2169, 42.1147,
66.1591

■ 76.6718, 73.9070,
69.8999

■ 29.8563, 40.6483,
65.9477

■ 77.2834, 75.1303,
70.1038

■ 28.9085, 39.4071,
65.7581

■ 77.9041, 76.3716,
70.3106

■ 28.5280, 38.8394,
65.6686

■ 78.5338, 77.6310,
70.5205

■ 79.1725, 78.9085,
70.7334

Harmonies

Analogous

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



45.4680, 53.8630, 58.6898



46.2160, 53.8630, 67.6353



48.2872, 53.8630, 74.7171

Triad

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



46.2160, 53.8630, 67.6353



56.5354, 53.8630, 67.5550



51.1804, 53.8630, 43.1924

Complementary

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



46.2160, 53.8630, 67.6353



44.9342, 41.6513, 37.1249

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.



54.2176, 53.8630, 45.0651



46.2160, 53.8630, 67.6353



57.3842, 53.8630, 58.6055

Square

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



46.2160, 53.8630, 67.6353



54.2441, 53.8630, 74.6676



56.5197, 53.8630, 50.4937



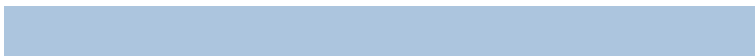
48.2627, 53.8630, 45.1005

Rectangle

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



46.2160, 53.8630, 67.6353



50.1823, 53.8630, 77.1067



56.5197, 53.8630, 50.4937



52.2215, 53.8630, 43.3981

Sweetspot

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



46.2176, 53.8652, 67.6365



88.1319, 95.4638, 108.3890



42.7179, 54.7610, 42.1304



18.7422, 20.3527, 23.1906



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.



46.2176, 53.8652, 67.6365



69.5345, 82.7631, 106.9178



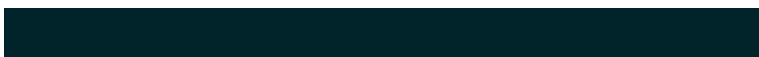
40.7793, 42.9885, 65.8237



12.0371, 13.1645, 15.1502



17.8256, 24.2978, 40.9429



1.0305, 1.4262, 2.3005

Inverse Universe

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



48.5629, 41.4524, 61.3211



73.9217, 59.9648, 95.0091



49.8270, 51.4369, 38.7558



12.2496, 11.9846, 14.5903



21.6283, 10.5241, 29.2784



1.2264, 0.5953, 1.7269

Previews

White Background



This preview shows how the XYZ color 46.2160, 53.8630, 67.6353 looks on a white background.

Color Contrast Check

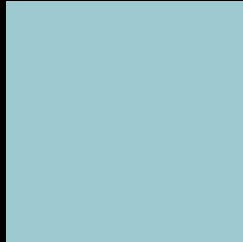
Large Text (above 18pt) WCAG AA × Fail

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 46.2160, 53.8630, 67.6353 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 46.2160, 53.8630, 67.6353

Background



This preview shows how black text looks on a background with the XYZ color 46.2160, 53.8630, 67.6353.



This preview shows how white text looks on a background with the XYZ color 46.2160, 53.8630,

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

46.2160, 53.8630, 67.6353

Protanopia

51.7584, 53.4329, 63.4627

Deuteranopia

54.6429, 53.5070, 69.0759



Tritanopia

47.5116, 54.0521, 73.5746

Trichromacy



Original Color

46.2160, 53.8630, 67.6353

Protanomaly

49.4614, 53.5428, 64.8546

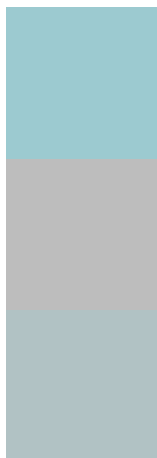
Deuteranomaly

51.1963, 53.3579, 68.5735

Tritanomaly

46.9289, 53.7964, 71.5287

Monochromacy



Original Color

46.2160, 53.8630, 67.6353

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.3871, 51.9162, 59.7478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2160, 53.8630, 67.6353 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(156, 202, 208)` looks like.

```
.text, #text, p{  
    color:rgb(156, 202, 208)  
}
```

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(156, 202, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 202, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.2160, 53.8630, 67.6353 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(156, 202, 208) }
```


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

```
.border{ border-color:rgb(156, 202, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 202, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 202, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 202, 208);  
box-shadow:4px 4px 4px 4px rgb(156, 202,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2160, 53.8630, 67.6353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 202, 208) }
```

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

```
.background{ background-color: rgb(156,  
202, 208) }
```

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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