

# Converting Colors

XYZ(46.2665, 56.1575, 61.8271)

Have a look what the booklet for  
XYZ(46.2665, 56.1575, 61.8271)  
contains.

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# Color

**XYZ(46.2665, 56.1575,  
61.8271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BD0C6
RGB	155, 208, 198
RGB Percent	61%, 82%, 78%
CMY	0.3921, 0.1843, 0.2235
CMYK	0.25, 0.00, 0.05, 0.18
HSL	169°, 36%, 71%
HSV	169°, 25%, 82%
XYZ	46.2665, 56.1575, 61.8271
YIQ	191.0130, -28.3780, -14.3460

# Conversions

## Conversions Part 2

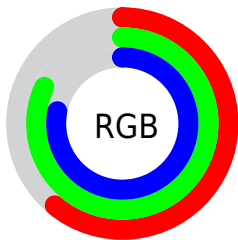
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 184, 208
Decimal	10211526
CIELab	79.70, -19.19, -0.61
CIELCh	80, 19.204, 181.822
Yxy	56.1575, 0.2817, 0.3419
Android (android.graphics.Color)	4288401606 (0xFF9BD0C6)
YUV	191.0130, 3.4446, -31.5834
Hunter-Lab	74.9383, -20.9371, 3.5402

# Details

The XYZ color **46.2665, 56.1575, 61.8271** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5273, 39.5707, 40.8907**, and the grayscale version is **49.5225, 52.1015, 56.7386**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **21.9048, 27.6209, 30.5624** is the 20% darker color. If you saturate the color by 10%, you get **42.1668, 54.0971, 59.3031**, and if you desaturate by 10%, it is **51.0688, 58.5817, 64.4476**.

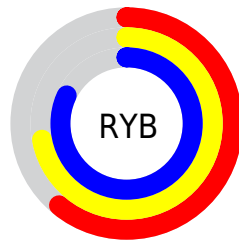
# Distribution



Red (61%)

Green (82%)

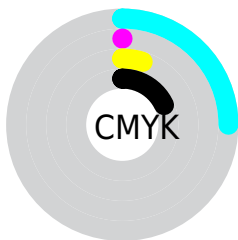
Blue (78%)



Red (61%)

Yellow (72%)

Blue (82%)

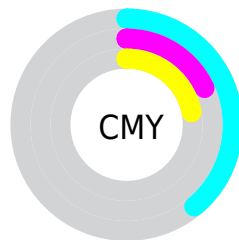


Cyan (25%)

Magenta (0%)

Yellow (5%)

Black (18%)



Cyan (39%)

Magenta (18%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2665, 56.1575, 61.8271 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 46.2665, 56.1575, 61.8271 by changing the saturation by 10% instead.



■ 46.2665, 56.1575,  
61.8271

■ 46.2665, 56.1575,  
61.8271

362.5770,  
410.2848, 449.2904

■ 32.6617, 40.3292,  
44.4581

■ 83.8431, 99.2348,  
109.0448

■ 22.0254, 27.7953,  
30.6910

■ 108.5456,  
127.2526, 139.7305

■ 13.9923, 18.1714,  
20.1072

137.6781,  
160.1024, 175.6923

■ 8.1970, 11.0731,  
12.2881

171.6059,  
198.1686, 217.3487

■ 4.2741, 6.1160,  
6.8153

210.6943,  
241.8355, 265.1181

■ 1.8583, 2.9158,  
3.2702

255.3087,

■ 0.5524, 1.0879,

291.4876, 319.4192

1.2342

305.8145,  
347.5092, 380.6704

■ 0.0000, 0.0000,  
0.0069

■ 0.0000, 0.0000,  
0.0000

■ 46.2665, 56.1575,  
61.8271

■ 46.2665, 56.1575,  
61.8271

■ 42.1668, 54.0971,  
59.3031

■ 51.0688, 58.5817,  
64.4476

■ 38.7294, 52.3754,  
56.8698

■ 56.6017, 61.3796,  
67.1628

■ 35.9177, 50.9749,  
54.5261

■ 62.8974, 64.5694,  
69.9759

■ 33.6890, 49.8736,  
52.2696

■ 69.9850, 68.1661,  
72.8886

■ 31.9956, 49.0469,  
50.0975

■ 76.4032, 71.4162,  
75.8331

■ 30.7820, 48.4663,  
48.0068

■ 76.9220, 71.6238,  
78.5649

■ 29.9798, 48.0965,  
45.9938

■ 77.4530, 71.8362,  
81.3613

■ 29.6948, 47.9689,  
45.1068

■ 77.9964, 72.0535,  
84.2225

■ 78.5521, 72.2758,  
87.1491

# Harmonies

## Analogous

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



47.0709, 56.1575, 51.6083



46.2665, 56.1575, 61.8271



47.2891, 56.1575, 73.1079

# Triad

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



46.2665, 56.1575, 61.8271



57.4039, 56.1575, 81.1395



56.9742, 56.1575, 44.1915

# Complementary

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



46.2665, 56.1575, 61.8271



44.5273, 39.5707, 40.8907

# 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.



59.9640, 56.1575, 50.5656



46.2665, 56.1575, 61.8271



60.2204, 56.1575, 71.7918

# Square

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



46.2665, 56.1575, 61.8271



53.6133, 56.1575, 85.0631



61.1789, 56.1575, 60.4699



53.1394, 56.1575, 42.1933



# Rectangle

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



46.2665, 56.1575, 61.8271



48.8996, 56.1575, 79.5108



61.1789, 56.1575, 60.4699



58.1177, 56.1575, 45.8520

# Sweetspot

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



46.2681, 56.1598, 61.8284



87.3253, 96.0887, 105.3353



44.1162, 55.5445, 39.4074



18.3992, 20.4192, 22.4050



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

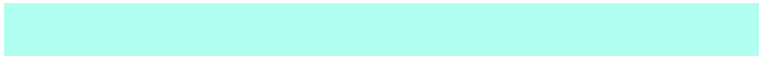


# Same Dimension

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



46.2681, 56.1598, 61.8284



69.3935, 87.0404, 95.6448



43.7761, 49.2678, 66.8795



12.0587, 13.3672, 14.6655



18.5404, 29.9091, 28.2896



1.0620, 1.6824, 1.7150



# Inverse Universe

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



44.5273, 39.5707, 40.8907



66.1450, 56.0469, 56.5461



46.4747, 44.8663, 37.2220



11.8986, 11.8442, 12.7418



16.4699, 8.4608, 2.1146

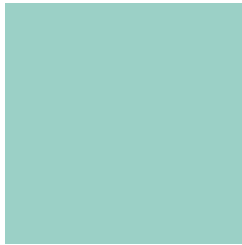


0.9487, 0.4842, 0.2646



# Previews

## White Background



This preview shows how the XYZ color 46.2665, 56.1575, 61.8271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

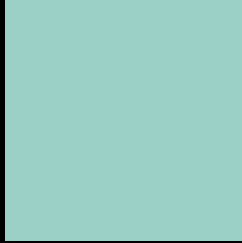
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2665, 56.1575, 61.8271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

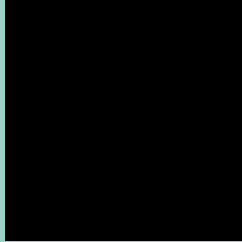
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2665, 56.1575, 61.8271**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2665, 56.1575, 61.8271.



This preview shows how white text looks on a background with the XYZ color 46.2665, 56.1575,



# 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

46.2665, 56.1575, 61.8271

### Protanopia

53.5010, 55.7980, 57.2405

### Deuteranopia

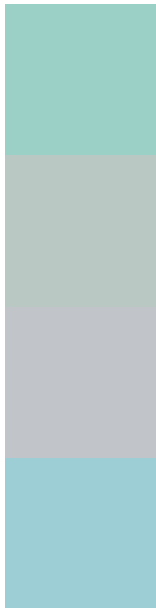
57.0230, 55.8220, 63.6464



## Tritanopia

49.3797, 56.3567, 76.6820

# Trichromacy



## Original Color

46.2665, 56.1575, 61.8271

## Protanomaly

50.3995, 55.5179, 59.0986

## Deuteranomaly

52.5012, 55.4870, 63.2013

## Tritanomaly

48.1821, 56.2158, 71.2621

# Monochromacy



## Original Color

46.2665, 56.1575, 61.8271

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.0640, 53.2925, 58.7922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2665, 56.1575, 61.8271 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, 208, 198)` looks like.

```
.text, #text, p{  
    color:rgb(155, 208, 198)  
}
```

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, 208, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 208, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2665, 56.1575, 61.8271 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, 208, 198) }
```



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

```
.border{ border-color:rgb(155, 208, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 208, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 208, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 208, 198);  
box-shadow:4px 4px 4px 4px rgb(155, 208,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2665, 56.1575, 61.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 208, 198) }
```

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

```
.background{ background-color: rgb(155,  
208, 198) }
```

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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