

# Converting Colors

XYZ(42.4483, 56.3595, 55.3916)

Have a look what the booklet for  
XYZ(42.4483, 56.3595, 55.3916)  
contains.

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# Color

**XYZ(42.4368, 56.1629,  
55.6176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85D5BB
RGB	133, 213, 187
RGB Percent	52%, 84%, 73%
CMY	0.4784, 0.1647, 0.2667
CMYK	0.38, 0.00, 0.12, 0.16
HSL	160°, 49%, 68%
HSV	160°, 38%, 84%
XYZ	42.4368, 56.1629, 55.6176
YIQ	186.1160, -39.3340, -25.0460

# Conversions

## Conversions Part 2

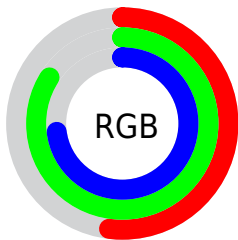
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 181, 213
Decimal	8771003
CIELab	79.71, -30.37, 5.14
CIELCh	80, 30.805, 170.402
Yxy	56.1629, 0.2752, 0.3642
Android (android.graphics.Color)	4286961083 (0xFF85D5BB)
YUV	186.1160, 0.4358, -46.5827
Hunter-Lab	74.9419, -30.0705, 8.4577

# Details

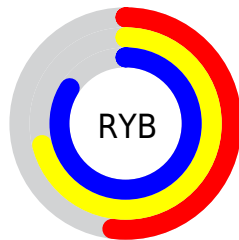
The XYZ color **42.4368, 56.1629, 55.6176** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.0881, 33.4259, 37.0368**, and the grayscale version is **46.7518, 49.1866, 53.5642**.

A 20% lighter version of the original color is **72.9239, 88.8099, 98.0925**, and **19.7544, 27.8372, 26.8862** is the 20% darker color. If you saturate the color by 10%, you get **38.6858, 54.3142, 51.6667**, and if you desaturate by 10%, it is **46.9086, 58.3820, 59.7912**.

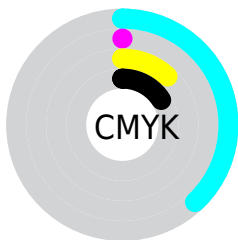
# Distribution



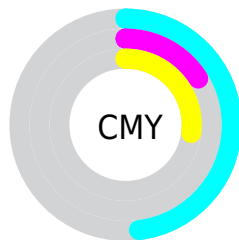
- Red (52%)
- Green (84%)
- Blue (73%)



- Red (52%)
- Yellow (71%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)




- Cyan (48%)
- Magenta (16%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4368, 56.1629, 55.6176 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 42.4368, 56.1629, 55.6176 by changing the saturation by 10% instead.





 42.4368, 56.1629,  
55.6176


 42.4368, 56.1629,  
55.6176


347.2514,  
410.3051, 425.5965

 29.6361, 40.3335,  
39.4945


 78.1213, 99.2427,  
99.9255

 19.7092, 27.7987,  
26.8338


 101.7358,  
127.2620, 128.9473

 12.2909, 18.1740,  
17.2171


 129.6856,  
160.1133, 163.1057

 7.0157, 11.0750,  
10.2258

162.3360,  
198.1811, 202.8194

 3.5183, 6.1173,  
5.4414

200.0524,  
241.8498, 248.5067

 1.4334, 2.9165,  
2.4453

243.2002,

 0.2799, 1.0883,

291.5038, 300.5863

0.8109

292.1448,  
347.5274, 359.4768

■ 0.0000, 0.0000,  
0.0000

■ 42.4368, 56.1629,  
55.6176

■ 42.4368, 56.1629,  
55.6176

■ 38.6858, 54.3142,  
51.6667

■ 46.9086, 58.3820,  
59.7912

■ 35.6088, 52.8075,  
47.9302

■ 52.1350, 60.9843,  
64.1880

■ 33.1610, 51.6211,  
44.4043


■ 58.1531, 63.9906,  
68.8134


■ 31.2897, 50.7280,  
41.0841


■ 64.9963, 67.4180,  
73.6715


■ 29.9333, 50.0964,  
37.9637


■ 72.6961, 71.2826,  
78.7661


 29.0069, 49.6827,  
35.0365

 79.1140, 74.4820,  
83.9995

 28.8119, 49.5971,  
34.3492

 80.0977, 74.8755,  
89.1797

 81.1204, 75.2845,  
94.5651

 82.1825, 75.7094,  
100.1580

# Harmonies

## Analogous

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



44.6866, 56.1629, 41.8167



42.4368, 56.1629, 55.6176



42.9389, 56.1629, 73.8852

# Triad

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



42.4368, 56.1629, 55.6176



57.6595, 56.1629, 99.1962



61.3720, 56.1629, 38.3761

# Complementary

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



42.4368, 56.1629, 55.6176



42.0881, 33.4259, 37.0368

# 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.



65.3923, 56.1629, 49.9726



42.4368, 56.1629, 55.6176



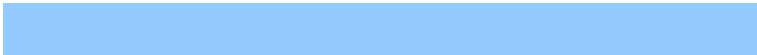
63.1361, 56.1629, 85.6821

# Square

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



42.4368, 56.1629, 55.6176



51.4121, 56.1629, 101.5184



66.0619, 56.1629, 67.0416



55.3999, 56.1629, 33.2173



# Rectangle

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



42.4368, 56.1629, 55.6176



44.7826, 56.1629, 86.1445



66.0619, 56.1629, 67.0416



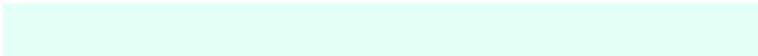
63.0154, 56.1629, 41.5312

# Sweetspot

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



42.4384, 56.1652, 55.6189



84.0394, 94.4894, 100.9037



42.4604, 56.7236, 30.9022



17.7201, 20.0908, 21.3930



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.



42.4384, 56.1652, 55.6189



59.2335, 82.1636, 78.8637



42.2621, 50.9471, 70.5597



12.6125, 14.0360, 15.0399



17.6475, 30.3144, 21.2374



1.1017, 1.8433, 1.4771



# Inverse Universe

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



42.0881, 33.4259, 37.0368



58.6451, 43.2855, 47.1451



42.0064, 36.5019, 27.0229



12.5880, 12.4867, 13.7706



17.4643, 8.9220, 4.4831



1.0909, 0.5531, 0.4679



# Previews

## White Background



This preview shows how the XYZ color 42.4368, 56.1629, 55.6176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

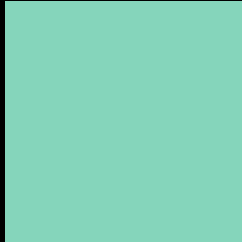
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4368, 56.1629, 55.6176 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 42.4368, 56.1629, 55.6176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4368, 56.1629, 55.6176.



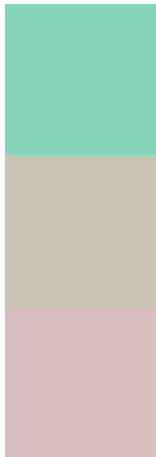
This preview shows how white text looks on a background with the XYZ color 42.4368, 56.1629,

55.6176.

# 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

42.4368, 56.1629, 55.6176

### Protanopia

52.6776, 55.5316, 50.0617

### Deuteranopia

56.5432, 55.3844, 57.5793



## Tritanopia

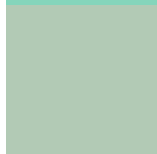
47.1658, 56.2444, 78.8914

# Trichromacy



## Original Color

42.4368, 56.1629, 55.6176



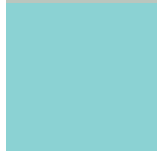
## Protanomaly

47.8211, 55.0422, 51.8198



## Deuteranomaly

49.7380, 54.5450, 56.6220



## Tritanomaly

45.4519, 56.2853, 70.0966

# Monochromacy



## Original Color

42.4368, 56.1629, 55.6176



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

44.5392, 51.2405, 53.9973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4368, 56.1629, 55.6176 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(133, 213, 187)` looks like.

```
.text, #text, p{  
    color:rgb(133, 213, 187)  
}
```

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(133, 213, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 213, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4368, 56.1629, 55.6176 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(133, 213, 187) }
```



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

```
.border{ border-color:rgb(133, 213, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 213, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 213, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 213, 187); box-shadow:4px 4px 4px 4px rgb(133, 213, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4368, 56.1629, 55.6176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 213, 187) }
```

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

```
.background{ background-color: rgb(133,  
213, 187) }
```

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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