

# Converting Colors

XYZ(42.1588, 50.6750, 57.5803)

Have a look what the booklet for  
XYZ(42.1588, 50.6750, 57.5803)  
contains.

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# Color

**XYZ(42.1029, 50.5835,  
57.4137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C6C0
RGB	149, 198, 192
RGB Percent	58%, 78%, 75%
CMY	0.4157, 0.2235, 0.2471
CMYK	0.25, 0.00, 0.03, 0.22
HSL	173°, 30%, 68%
HSV	173°, 25%, 78%
XYZ	42.1029, 50.5835, 57.4137
YIQ	182.6650, -27.2780, -12.2540

# Conversions

## Conversions Part 2

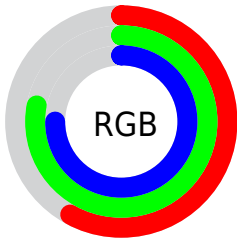
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 175, 198
Decimal	9815744
CIELab	76.43, -17.24, -2.22
CIElCh	76, 17.382, 187.347
Yxy	50.5835, 0.2805, 0.3370
Android (android.graphics.Color)	4288005824 (0xFF95C6C0)
YUV	182.6650, 4.6022, -29.5242
Hunter-Lab	71.1221, -18.7951, 1.9233

# Details

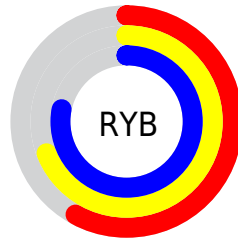
The XYZ color **42.1029, 50.5835, 57.4137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9543, 35.8685, 35.8298**, and the grayscale version is **44.8137, 47.1475, 51.3437**.

A 20% lighter version of the original color is **77.6051, 91.1347, 102.3075**, and **19.5632, 24.3520, 28.0954** is the 20% darker color. If you saturate the color by 10%, you get **38.5269, 48.7721, 55.8559**, and if you desaturate by 10%, it is **46.3004, 52.7174, 59.0259**.

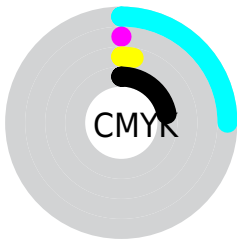
# Distribution



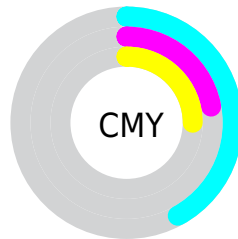
- Red (58%)
- Green (78%)
- Blue (75%)



- Red (58%)
- Yellow (69%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)




- Cyan (42%)
- Magenta (22%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1029, 50.5835, 57.4137 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 42.1029, 50.5835, 57.4137 by changing the saturation by 10% instead.





 42.1029, 50.5835,  
57.4137


 42.1029, 50.5835,  
57.4137


345.8937,  
388.9434, 432.5348

 29.3733, 35.8772,  
40.9259


 77.6195, 91.0388,  
102.5749

 19.5091, 24.3394,  
27.9419


 101.1373,  
117.5567, 132.0854

 12.1449, 15.5856,  
18.0432


128.9818,  
148.7805, 166.7739

 6.9153, 9.2314,  
10.8113

161.5185,  
185.0948, 207.0588

 3.4551, 4.8924,  
5.8275

199.1127,  
226.8838, 253.3589

 1.3987, 2.1843,  
2.6734

242.1297,

 0.2553, 0.7114,

274.5319, 306.0925

0.9300

290.9349,  
328.4237, 365.6783

■ 0.0000, 0.0000,  
0.0000

■ 42.1029, 50.5835,  
57.4137

■ 42.1029, 50.5835,  
57.4137

■ 38.5269, 48.7721,  
55.8559

■ 46.3004, 52.7174,  
59.0259

■ 35.5369, 47.2610,  
54.3475

■ 51.1440, 55.1825,  
60.6904

■ 33.1006, 46.0349,  
52.8879

■ 56.6620, 57.9948,  
62.4098

■ 31.1809, 45.0745,  
51.4753

■ 62.8801, 61.1675,  
64.1855

■ 29.7358, 44.3583,  
50.1075

■ 69.8223, 64.7130,  
66.0186

■ 28.7169, 43.8613,  
48.7823

■ 72.6430, 66.1332,  
67.6825

■ 28.0653, 43.5532,  
47.4967

■ 72.9411, 66.2524,  
69.2520

■ 27.8105, 43.4362,  
46.8346

■ 73.2437, 66.3735,  
70.8457

■ 73.5510, 66.4964,  
72.4636

# Harmonies

## Analogous

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



42.5013, 50.5835, 48.4228



42.1029, 50.5835, 57.4137



43.2468, 50.5835, 66.7495

# Triad

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



42.1029, 50.5835, 57.4137



51.9976, 50.5835, 70.6830



50.5429, 50.5835, 40.0625

# Complementary

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



42.1029, 50.5835, 57.4137



39.9543, 35.8685, 35.8298

# 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.



53.2565, 50.5835, 44.8511



42.1029, 50.5835, 57.4137



54.1226, 50.5835, 62.3142

# Square

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



42.1029, 50.5835, 57.4137



48.8873, 50.5835, 74.9551



54.5935, 50.5835, 52.8043



47.2779, 50.5835, 39.0660



# Rectangle

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



42.1029, 50.5835, 57.4137



44.7619, 50.5835, 71.6873



54.5935, 50.5835, 52.8043



51.5541, 50.5835, 41.2534

# Sweetspot

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



42.1044, 50.5856, 57.4148



88.4351, 96.6303, 106.7633



39.2405, 49.5816, 35.9366



18.8127, 20.6238, 22.8128



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

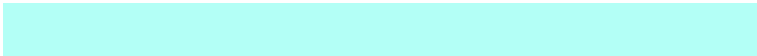


# Same Dimension

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



42.1044, 50.5856, 57.4148



70.8127, 87.6753, 100.0813



38.9169, 43.1244, 59.7012



10.8886, 12.0443, 13.3636



18.1065, 28.2550, 30.5690



0.8735, 1.3443, 1.5325



# Inverse Universe

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



39.9543, 35.8685, 35.8298



66.3233, 56.9254, 54.9961



42.5278, 41.8025, 34.2618



10.6859, 10.6577, 11.3290



15.2714, 7.8581, 1.3733



0.7411, 0.3793, 0.1597



# Previews

## White Background



This preview shows how the XYZ color 42.1029, 50.5835, 57.4137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

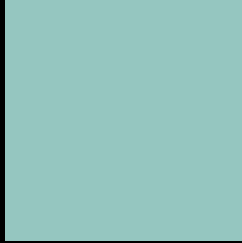
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1029, 50.5835, 57.4137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

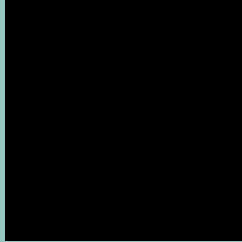
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.1029, 50.5835, 57.4137**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1029, 50.5835, 57.4137.



This preview shows how white text looks on a background with the XYZ color 42.1029, 50.5835,



# 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

42.1029, 50.5835, 57.4137

### Protanopia

48.3715, 50.2923, 53.6123

### Deuteranopia

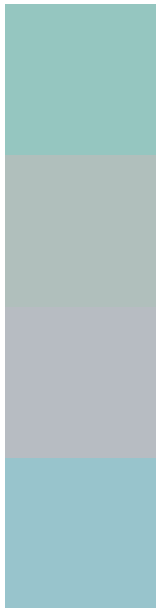
51.2069, 50.0925, 58.5997



## Tritanopia

44.4098, 50.5057, 69.0359

# Trichromacy



## Original Color

42.1029, 50.5835, 57.4137

## Protanomaly

45.6124, 50.1225, 54.8475

## Deuteranomaly

47.2493, 49.9288, 58.1858

## Tritanomaly

43.5879, 50.5149, 64.5798

# Monochromacy



## Original Color

42.1029, 50.5835, 57.4137

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.6407, 48.1695, 53.4519

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1029, 50.5835, 57.4137 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(149, 198, 192)` looks like.

```
.text, #text, p{  
    color:rgb(149, 198, 192)  
}
```

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(149, 198, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 198, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1029, 50.5835, 57.4137 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(149, 198, 192) }
```



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

```
.border{ border-color:rgb(149, 198, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 198, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 198, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 198, 192);  
box-shadow:4px 4px 4px 4px rgb(149, 198,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1029, 50.5835, 57.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 198, 192) }
```

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

```
.background{ background-color: rgb(149,  
198, 192) }
```

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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