

# Converting Colors

XYZ(41.3461, 49.7907, 60.2940)

Have a look what the booklet for  
XYZ(41.3461, 49.7907, 60.2940)  
contains.

|  |    |
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# Color

**XYZ(41.3720, 49.8034,  
60.2558)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8FC5C5                       |
| RGB         | 143, 197, 197                |
| RGB Percent | 56%, 77%, 77%                |
| CMY         | 0.4392, 0.2274, 0.2274       |
| CMYK        | 0.27, 0.00, 0.00, 0.23       |
| HSL         | 180°, 32%, 67%               |
| HSV         | 180°, 27%, 77%               |
| XYZ         | 41.3720, 49.8034, 60.2558    |
| YIQ         | 180.8540, -32.1840, -11.4480 |

# Conversions

## Conversions Part 2

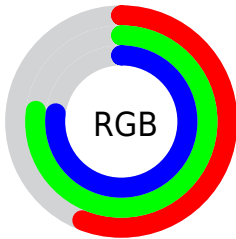
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 143, 170, 197                 |
| Decimal                             | 9422277                       |
| CIELab                              | 75.95, -17.40, -5.67          |
| CIELCh                              | 76, 18.299, 198.048           |
| Yxy                                 | 49.8034, 0.2732,<br>0.3289    |
| Android<br>(android.graphics.Color) | 4287612357<br>(0xFF8FC5C5)    |
| YUV                                 | 180.8540, 7.9600,<br>-33.1980 |
| Hunter-Lab                          | 70.5715, -18.8559,<br>-1.2233 |

# Details

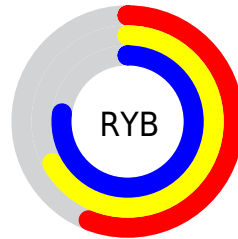
The XYZ color **41.3720, 49.8034, 60.2558** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8081, 33.4998, 30.4620**, and the grayscale version is **43.8141, 46.0959, 50.1984**.

A 20% lighter version of the original color is **76.6199, 90.0451, 107.1081**, and **18.9968, 23.8018, 29.5796** is the 20% darker color. If you saturate the color by 10%, you get **38.2569, 48.1988, 60.1105**, and if you desaturate by 10%, it is **45.0889, 51.7208, 60.4314**.

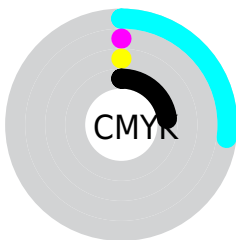
# Distribution



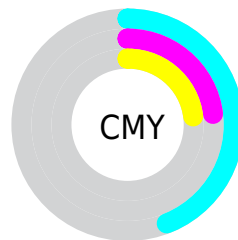
- Red (56%)
- Green (77%)
- Blue (77%)



- Red (56%)
- Yellow (67%)
- Blue (77%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)




- Cyan (44%)
- Magenta (23%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3720, 49.8034, 60.2558 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 41.3720, 49.8034, 60.2558 by changing the saturation by 10% instead.





 41.3720, 49.8034,  
60.2558


 41.3720, 49.8034,  
60.2558


342.9091,  
385.8966, 443.3708

 28.7988, 35.2572,  
43.1982

 76.5194, 89.8835,  
106.7477

 19.0722, 23.8611,  
29.7081


 99.8244, 116.1862,  
137.0190

 11.8268, 15.2306,  
19.3670


127.4373,  
147.1766, 172.5320

 6.6972, 8.9814,  
11.7563

159.7236,  
183.2390, 213.7052

 3.3181, 4.7290,  
6.4574

197.0485,  
224.7578, 260.9571

 1.3241, 2.0892,  
3.0519

239.7775,

 0.2012, 0.6585,

272.1174, 314.7063

1.1212

288.2759,  
325.7022, 375.3714

■ 0.0000, 0.0000,  
0.0000

■ 41.3720, 49.8034,  
60.2558

■ 41.3720, 49.8034,  
60.2558

■ 38.2569, 48.1988,  
60.1105

■ 45.0889, 51.7208,  
60.4314

■ 35.7079, 46.8847,  
59.9907

■ 49.4323, 53.9599,  
60.6352

■ 33.6923, 45.8457,  
59.8958

■ 54.4308, 56.5367,  
60.8697

■ 32.1724, 45.0621,  
59.8241

■ 60.1100, 59.4644,  
61.1360

■ 31.1051, 44.5120,  
59.7736

■ 66.4939, 62.7554,  
61.4353

■ 30.4407, 44.1694,  
59.7420

■ 71.2860, 65.2258,  
61.6601

■ 30.1084, 43.9982,  
59.7259

■ 71.2861, 65.2258,  
61.6607

■ 30.0446, 43.9652,  
59.7228

■ 71.2862, 65.2259,  
61.6612

■ 71.2863, 65.2259,  
61.6618

# Harmonies

## Analogous

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



41.2072, 49.8034, 50.4307



41.3720, 49.8034, 60.2558



43.0872, 49.8034, 69.4264

# Triad

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



41.3720, 49.8034, 60.2558



52.3824, 49.8034, 67.7747



48.7076, 49.8034, 37.8525

# Complementary

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



41.3720, 49.8034, 60.2558



37.8081, 33.4998, 30.4620

# 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.



51.8567, 49.8034, 41.4263



41.3720, 49.8034, 60.2558



54.0456, 49.8034, 58.2101

# Square

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



41.3720, 49.8034, 60.2558



49.3973, 49.8034, 74.1133



53.8487, 49.8034, 48.6152



45.3341, 49.8034, 38.2607



# Rectangle

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



41.3720, 49.8034, 60.2558



44.9275, 49.8034, 73.5758



53.8487, 49.8034, 48.6152



49.8304, 49.8034, 38.6085

# Sweetspot

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



41.3735, 49.8054, 60.2569



87.9389, 96.3341, 108.5664



36.4098, 47.8380, 33.3023



18.5549, 20.4815, 23.2251



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.



41.3735, 49.8054, 60.2569



70.5713, 87.3808, 107.7511



35.9512, 38.9605, 58.4510



10.9467, 12.0676, 13.6697



19.7609, 28.9167, 39.2808



0.9357, 1.3692, 1.8600



# Inverse Universe

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



37.8081, 33.4998, 30.4620



63.1114, 53.2639, 45.4097



42.1923, 42.2684, 31.9224



10.6339, 10.6370, 11.0555



15.1453, 7.8077, 0.7090

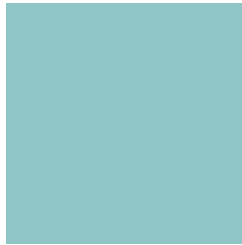


0.7171, 0.3697, 0.0336



# Previews

## White Background



This preview shows how the XYZ color 41.3720, 49.8034, 60.2558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

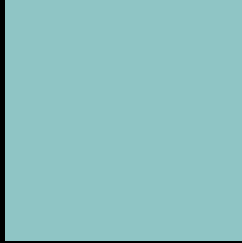
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3720, 49.8034, 60.2558 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

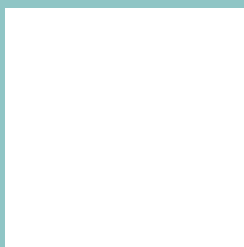
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.3720, 49.8034, 60.2558**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3720, 49.8034, 60.2558.



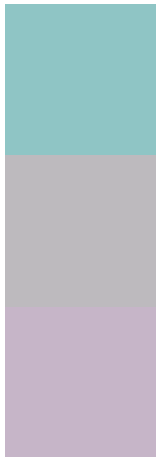
This preview shows how white text looks on a background with the XYZ color 41.3720, 49.8034,



# 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

41.3720, 49.8034, 60.2558

### Protanopia

47.8394, 49.6543, 55.7780

### Deuteranopia

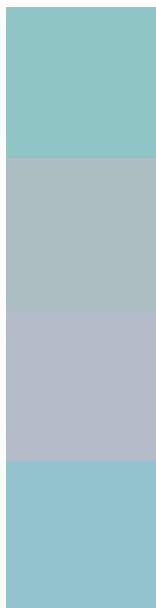
50.2379, 49.2236, 61.4969



## Tritanopia

43.1270, 49.8444, 68.9759

# Trichromacy



## Original Color

41.3720, 49.8034, 60.2558

## Protanomaly

45.0524, 49.4478, 57.6219

## Deuteranomaly

46.4392, 49.1291, 61.0681

## Tritanomaly

42.5576, 49.9558, 65.7919

# Monochromacy



## Original Color

41.3720, 49.8034, 60.2558

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

42.6763, 47.3440, 53.9027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3720, 49.8034, 60.2558 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(143, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(143, 197, 197)  
}
```

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(143, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 197, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3720, 49.8034, 60.2558 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(143, 197, 197) }
```



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

```
.border{ border-color:rgb(143, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 197, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 197, 197); box-shadow:4px 4px 4px 4px rgb(143, 197, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3720, 49.8034, 60.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 197, 197) }
```

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

```
.background{ background-color: rgb(143,  
197, 197) }
```

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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