

# Converting Colors

XYZ(48.3408, 58.4711, 60.6311)

Have a look what the booklet for  
XYZ(48.3408, 58.4711, 60.6311)  
contains.

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# Color

**XYZ(48.2488, 58.3152,  
60.3427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3D3C3
RGB	163, 211, 195
RGB Percent	64%, 83%, 76%
CMY	0.3608, 0.1725, 0.2353
CMYK	0.23, 0.00, 0.08, 0.17
HSL	160°, 35%, 73%
HSV	160°, 23%, 83%
XYZ	48.2488, 58.3152, 60.3427
YIQ	194.8240, -23.4720, -15.1520

# Conversions

## Conversions Part 2

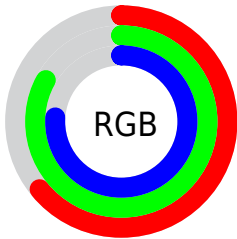
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 192, 211
Decimal	10736579
CIELab	80.91, -18.87, 2.81
CIElCh	81, 19.081, 171.524
Yxy	58.3152, 0.2891, 0.3494
Android (android.graphics.Color)	4288926659 (0xFFA3D3C3)
YUV	194.8240, 0.0868, -27.9096
Hunter-Lab	76.3644, -20.8572, 6.6045

# Details

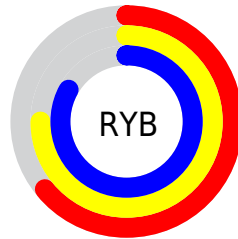
The XYZ color **48.2488, 58.3152, 60.3427** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0998, 43.2993, 48.4727**, and the grayscale version is **51.7778, 54.4743, 59.3225**.

A 20% lighter version of the original color is **82.5441, 93.6083, 105.8131**, and **23.1266, 29.0150, 29.5809** is the 20% darker color. If you saturate the color by 10%, you get **43.5073, 55.9622, 56.0671**, and if you desaturate by 10%, it is **53.7519, 61.0596, 64.8520**.

# Distribution



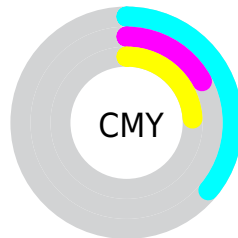
- Red (64%)
- Green (83%)
- Blue (76%)



- Red (64%)
- Yellow (75%)
- Blue (83%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)




- Cyan (36%)
- Magenta (17%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2488, 58.3152, 60.3427 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 48.2488, 58.3152, 60.3427 by changing the saturation by 10% instead.




 48.2488, 58.3152,  
60.3427


 48.2488, 58.3152,  
60.3427


370.3437,  
418.3594, 443.6995

 34.2360, 42.0621,  
43.2678


 86.7822, 102.3817,  
106.8749

 23.2387, 29.1499,  
29.7623


 112.0335,  
130.9639, 137.1692

 14.8915, 19.1943,  
19.4078


141.7617,  
164.4246, 172.7072

 8.8291, 11.8107,  
11.7855

176.3322,  
203.1482, 213.9072

 4.6861, 6.6149,  
6.4770

216.1103,  
247.5191, 261.1880

 2.0971, 3.2225,  
3.0638

261.4613,

 0.6877, 1.2490,

297.9217, 314.9679

1.1273

312.7506,  
354.7403, 375.6655

■ 0.0000, 0.1012,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.2488, 58.3152,  
60.3427

■ 48.2488, 58.3152,  
60.3427

■ 43.5073, 55.9622,  
56.0671

■ 53.7519, 61.0596,  
64.8520

■ 39.4862, 53.9747,  
52.0170

■ 60.0454, 64.2056,  
69.5954

■ 36.1479, 52.3350,  
48.1890

■ 67.1627, 67.7718,  
74.5780

■ 33.4491, 51.0209,  
44.5785

■ 75.1336, 71.7735,  
79.8039

■ 31.3416, 50.0074,  
41.1802

■ 78.8426, 73.5736,  
85.0362

■ 29.7698, 49.2662,  
37.9888

■ 79.8518, 73.9773,  
90.3502

■ 28.6670, 48.7627,  
34.9980

■ 80.9013, 74.3971,  
95.8768

■ 28.0779, 48.5037,  
32.9495

■ 81.9915, 74.8332,  
101.6181

■ 82.5854, 75.0707,  
104.7451

# Harmonies

## Analogous

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



49.6908, 58.3152, 50.9000



48.2488, 58.3152, 60.3427



48.6572, 58.3152, 71.8150

# Triad

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



48.2488, 58.3152, 60.3427



58.2604, 58.3152, 85.9566



60.2882, 58.3152, 47.9432

# Complementary

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



48.2488, 58.3152, 60.3427



48.0998, 43.2993, 48.4727

# 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.



62.7970, 58.3152, 55.8444



48.2488, 58.3152, 60.3427



61.5881, 58.3152, 78.0138

# Square

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



48.2488, 58.3152, 60.3427



54.3148, 58.3152, 87.5316



63.2837, 58.3152, 66.7559



56.5540, 58.3152, 44.3191



# Rectangle

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



48.2488, 58.3152, 60.3427



49.9326, 58.3152, 79.0348



63.2837, 58.3152, 66.7559



61.3100, 58.3152, 50.1392

# Sweetspot

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



48.2504, 58.3176, 60.3440



87.8417, 96.3930, 103.6388



48.6828, 58.9147, 43.4569



18.6750, 20.5687, 22.0877



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

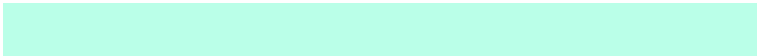


# Same Dimension

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



48.2504, 58.3176, 60.3440



70.6184, 87.8068, 89.6055



48.4093, 55.5827, 69.8080



11.9838, 13.3373, 14.2713



16.9935, 29.2903, 20.1436



0.9862, 1.6521, 1.3159



# Inverse Universe

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



48.0998, 43.2993, 48.4727



70.3519, 61.0496, 68.4642



47.8889, 45.3192, 40.8746



11.9690, 11.8723, 13.1124



16.9288, 8.6444, 4.5314



0.9831, 0.4980, 0.4457



# Previews

## White Background



This preview shows how the XYZ color 48.2488, 58.3152, 60.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

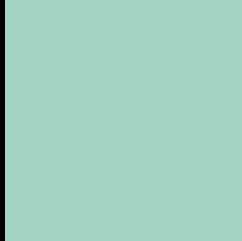
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2488, 58.3152, 60.3427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

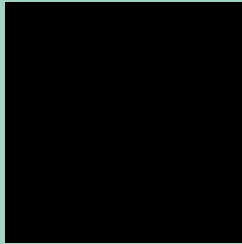
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

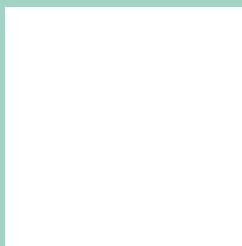
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.2488, 58.3152, 60.3427**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2488, 58.3152, 60.3427.



This preview shows how white text looks on a background with the XYZ color 48.2488, 58.3152,



# 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

48.2488, 58.3152, 60.3427

### Protanopia

55.5717, 58.2481, 56.4582

### Deuteranopia

59.1158, 57.9227, 62.0973



## Tritanopia

51.9943, 58.3884, 78.3417

# Trichromacy



## Original Color

48.2488, 58.3152, 60.3427

## Protanomaly

52.4827, 58.0237, 57.7238

## Deuteranomaly

54.4005, 57.5279, 61.6629

## Tritanomaly

50.5025, 58.1313, 71.5095

# Monochromacy



## Original Color

48.2488, 58.3152, 60.3427

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.2654, 55.7807, 59.7472

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2488, 58.3152, 60.3427 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(163, 211, 195)` looks like.

```
.text, #text, p{  
    color:rgb(163, 211, 195)  
}
```

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(163, 211, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 211, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2488, 58.3152, 60.3427 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(163, 211, 195) }
```



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

```
.border{ border-color:rgb(163, 211, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 211, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 211, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 211, 195);  
box-shadow:4px 4px 4px 4px rgb(163, 211,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2488, 58.3152, 60.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 211, 195) }
```

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

```
.background{ background-color: rgb(163,  
211, 195) }
```

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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