

# Converting Colors

XYZ(42.1626, 48.9677, 58.2660)

Have a look what the booklet for  
XYZ(42.1626, 48.9677, 58.2660)  
contains.

<b>XYZ(42.1340, 48.9050, 58.2578)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.1340, 48.9050,  
58.2578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AC1C2
RGB	154, 193, 194
RGB Percent	60%, 76%, 76%
CMY	0.3961, 0.2431, 0.2392
CMYK	0.21, 0.01, 0.00, 0.24
HSL	181°, 25%, 68%
HSV	181°, 21%, 76%
XYZ	42.1340, 48.9050, 58.2578
YIQ	181.4530, -23.5650, -7.9570

# Conversions

## Conversions Part 2

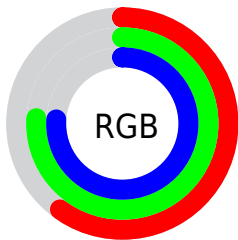
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 174, 194
Decimal	10142146
CIELab	75.39, -12.69, -4.79
CIELCh	75, 13.564, 200.693
Yxy	48.9050, 0.2822, 0.3276
Android (android.graphics.Color)	4288332226 (0xFF9AC1C2)
YUV	181.4530, 6.1857, -24.0763
Hunter-Lab	69.9321, -14.8352, -0.4398

# Details

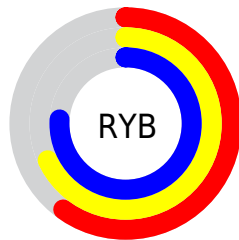
The XYZ color **42.1340, 48.9050, 58.2578** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8026, 37.2452, 35.6640**, and the grayscale version is **44.1440, 46.4430, 50.5764**.

A 20% lighter version of the original color is **77.4255, 88.2088, 103.3877**, and **19.4457, 23.1835, 28.2609** is the 20% darker color. If you saturate the color by 10%, you get **38.6296, 46.9412, 58.0642**, and if you desaturate by 10%, it is **46.2384, 51.1812, 58.4816**.

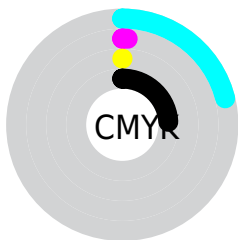
# Distribution



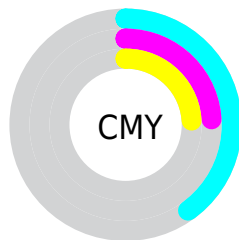
- Red (60%)
- Green (76%)
- Blue (76%)



- Red (60%)
- Yellow (68%)
- Blue (76%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (40%)
- Magenta (24%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1340, 48.9050, 58.2578 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 42.1340, 48.9050, 58.2578 by changing the saturation by 10% instead.



■ 42.1340, 48.9050,  
58.2578

■ 42.1340, 48.9050,  
58.2578

346.0203,  
382.3682, 435.7709

■ 29.3978, 34.5441,  
41.5999

■ 77.6663, 88.5503,  
103.8167

■ 19.5277, 23.3119,  
28.4649

■ 101.1931,  
114.6036, 133.5547

■ 12.1585, 14.8240,  
18.4343

129.0474,  
145.3231, 168.4898

■ 6.9247, 8.6960,  
11.0896

161.5947,  
181.0933, 209.0406

■ 3.4610, 4.5434,  
6.0122

199.2003,  
222.2984, 255.6255

■ 1.4020, 1.9819,  
2.7836

242.2295,

■ 0.2576, 0.5969,

269.3231, 308.6632

0.9852

291.0477,  
322.5515, 368.5722

■ 0.0000, 0.0000,  
0.0000

■ 42.1340, 48.9050,  
58.2578

■ 42.1340, 48.9050,  
58.2578

■ 38.6296, 46.9412,  
58.0642

■ 46.2384, 51.1812,  
58.4816

■ 35.6922, 45.2689,  
57.8963

■ 50.9652, 53.7774,  
58.7336

■ 33.2924, 43.8743,  
57.7536

■ 56.3408, 56.7087,  
59.0161

■ 31.3961, 42.7398,  
57.6345

■ 62.3890, 59.9873,  
59.3301

■ 29.9657, 41.8460,  
57.5374

■ 69.1324, 63.6247,  
59.6768

■ 28.9579, 41.1706,  
57.4602

■ 70.6965, 64.5927,  
59.7812

■ 28.3218, 40.6872,  
57.4004

■ 70.8058, 64.8111,  
59.8176

■ 27.9706, 40.3609,  
57.3559

■ 70.9153, 65.0303,  
59.8541

■ 71.0253, 65.2501,  
59.8908

# Harmonies

## Analogous

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



41.9035, 48.9050, 51.0561



42.1340, 48.9050, 58.2578



43.5069, 48.9050, 64.6141

# Triad

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



42.1340, 48.9050, 58.2578



50.2979, 48.9050, 62.4442



47.2636, 48.9050, 40.7989

# Complementary

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



42.1340, 48.9050, 58.2578



39.8026, 37.2452, 35.6640

# 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.



49.5913, 48.9050, 43.3018



42.1340, 48.9050, 58.2578



51.3840, 48.9050, 55.5043

# Square

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



42.1340, 48.9050, 58.2578



48.2002, 48.9050, 67.1774



51.1209, 48.9050, 48.5363



44.8066, 48.9050, 41.3930



# Rectangle

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



42.1340, 48.9050, 58.2578



44.9132, 48.9050, 67.3103



51.1209, 48.9050, 48.5363



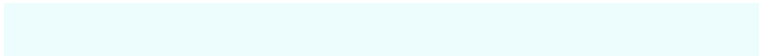
48.0884, 48.9050, 41.2969

# Sweetspot

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



42.1354, 48.9070, 58.2589



87.5015, 94.7798, 106.1523



38.5075, 47.8098, 38.0634



19.0382, 20.6878, 23.2397



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.



42.1354, 48.9070, 58.2589



73.1708, 86.8360, 105.3743



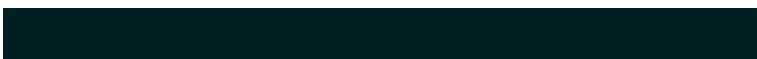
38.0725, 40.7812, 56.9046



10.3463, 11.3840, 12.9368



18.3991, 26.5546, 37.7124



0.8019, 1.1612, 1.6317



# Inverse Universe

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



43.4305, 38.4319, 55.5834



75.9714, 64.2774, 99.5673



43.3469, 44.3337, 36.8454



10.4861, 10.2431, 12.6504



20.6830, 9.9629, 32.5722

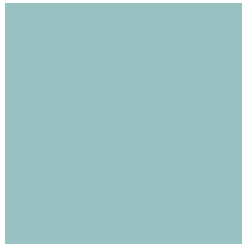


0.8971, 0.4319, 1.4257



# Previews

## White Background



This preview shows how the XYZ color 42.1340, 48.9050, 58.2578 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

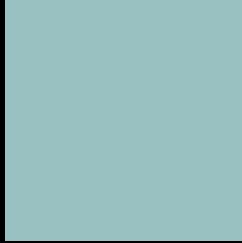
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1340, 48.9050, 58.2578 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 42.1340, 48.9050, 58.2578**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1340, 48.9050, 58.2578.



This preview shows how white text looks on a background with the XYZ color 42.1340, 48.9050,



# 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

42.1340, 48.9050, 58.2578

### Protanopia

46.8193, 48.5199, 55.0417

### Deuteranopia

49.6880, 48.6795, 59.6006



## Tritanopia

43.4817, 48.7858, 65.5174

# Trichromacy



## Original Color

42.1340, 48.9050, 58.2578

## Protanomaly

44.8535, 48.4162, 56.2714

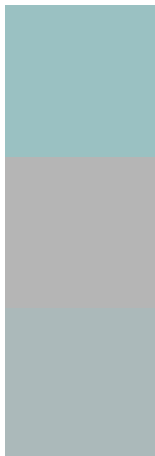
## Deuteranomaly

46.6042, 48.6285, 59.1545

## Tritanomaly

43.0279, 48.9321, 63.0541

# Monochromacy



## Original Color

42.1340, 48.9050, 58.2578

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

43.0065, 46.9010, 53.2405

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1340, 48.9050, 58.2578 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(154, 193, 194)` looks like.

```
.text, #text, p{  
    color:rgb(154, 193, 194)  
}
```

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(154, 193, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 193, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1340, 48.9050, 58.2578 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(154, 193, 194) }
```



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

```
.border{ border-color:rgb(154, 193, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 193, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 193, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 193, 194);  
box-shadow:4px 4px 4px 4px rgb(154, 193,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1340, 48.9050, 58.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 193, 194) }
```

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

```
.background{ background-color: rgb(154,  
193, 194) }
```

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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