

# Converting Colors

XYZ(42.6937, 49.8424, 59.0015)

Have a look what the booklet for  
XYZ(42.6937, 49.8424, 59.0015)  
contains.

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# Color

**XYZ(42.6919, 49.8404,  
58.9998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AC3C3
RGB	154, 195, 195
RGB Percent	60%, 76%, 76%
CMY	0.3961, 0.2353, 0.2353
CMYK	0.21, 0.00, 0.00, 0.24
HSL	180°, 25%, 68%
HSV	180°, 21%, 76%
XYZ	42.6919, 49.8404, 58.9998
YIQ	182.7410, -24.4360, -8.6920

# Conversions

## Conversions Part 2

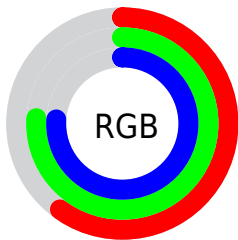
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 175, 195
Decimal	10142659
CIELab	75.97, -13.51, -4.48
CIELCh	76, 14.233, 198.351
Yxy	49.8404, 0.2817, 0.3289
Android (android.graphics.Color)	4288332739 (0xFF9AC3C3)
YUV	182.7410, 6.0437, -25.2059
Hunter-Lab	70.5977, -15.6034, -0.1313

# Details

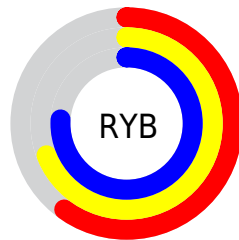
The XYZ color **42.6919, 49.8404, 58.9998** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8958, 37.0479, 35.6222**, and the grayscale version is **44.8466, 47.1821, 51.3813**.

A 20% lighter version of the original color is **78.6756, 90.2044, 105.3600**, and **19.8121, 23.7976, 28.7485** is the 20% darker color. If you saturate the color by 10%, you get **39.2781, 48.0818, 58.8404**, and if you desaturate by 10%, it is **46.7116, 51.9139, 59.1897**.

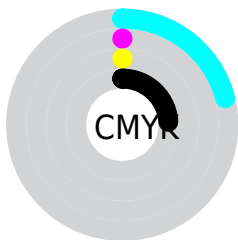
# Distribution



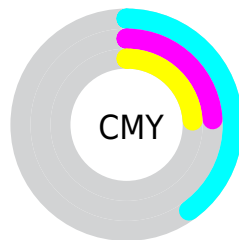
- Red (60%)
- Green (76%)
- Blue (76%)



- Red (60%)
- Yellow (69%)
- Blue (76%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6919, 49.8404, 58.9998 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 42.6919, 49.8404, 58.9998 by changing the saturation by 10% instead.



■ 42.6919, 49.8404,  
58.9998

■ 42.6919, 49.8404,  
58.9998

348.2862,  
386.0415, 438.6030

■ 29.8369, 35.2866,  
42.1929

■ 78.5043, 89.9384,  
104.9065

■ 19.8623, 23.8837,  
28.9257

■ 102.1925,  
116.2513, 134.8434

■ 12.4027, 15.2474,  
18.7795

130.2224,  
147.2528, 169.9941

■ 7.0927, 8.9932,  
11.3359

162.9595,  
183.3271, 210.7771

■ 3.5670, 4.7367,  
6.1762

200.7691,  
224.8588, 257.6110

■ 1.4602, 2.0936,  
2.8820

244.0165,

■ 0.2985, 0.6610,

272.2321, 310.9142

1.0347

293.0671,  
325.8316, 371.1054

■ 0.0000, 0.0000,  
0.0000

■ 42.6919, 49.8404,  
58.9998

■ 42.6919, 49.8404,  
58.9998

■ 39.2781, 48.0818,  
58.8404

■ 46.7116, 51.9139,  
59.1897

■ 36.4366, 46.6170,  
58.7066

■ 51.3599, 54.3102,  
59.4080

■ 34.1376, 45.4318,  
58.5983

■ 56.6637, 57.0444,  
59.6569

■ 32.3465, 44.5085,  
58.5138

■ 62.6470, 60.1289,  
59.9377

■ 31.0248, 43.8271,  
58.4512

■ 69.3328, 63.5755,  
60.2513

■ 30.1286, 43.3652,  
58.4085

■ 70.6073, 64.2325,  
60.3117

■ 29.6057, 43.0956,  
58.3833

■ 70.6075, 64.2326,  
60.3124

■ 29.3654, 42.9717,  
58.3714

■ 70.6076, 64.2326,  
60.3132

■ 70.6077, 64.2327,  
60.3139

# Harmonies

## Analogous

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



42.5480, 49.8404, 51.3702



42.6919, 49.8404, 58.9998



44.0611, 49.8404, 65.9360

# Triad

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



42.6919, 49.8404, 58.9998



51.2878, 49.8404, 64.5701



48.4096, 49.8404, 41.1767

# Complementary

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



42.6919, 49.8404, 58.9998



39.8958, 37.0479, 35.6222

# 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.



50.8443, 49.8404, 44.0642



42.6919, 49.8404, 58.9998



52.5471, 49.8404, 57.2722

# Square

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



42.6919, 49.8404, 58.9998



48.9965, 49.8404, 69.3532



52.3818, 49.8404, 49.7957



45.7834, 49.8404, 41.5456



# Rectangle

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



42.6919, 49.8404, 58.9998



45.5142, 49.8404, 69.0150



52.3818, 49.8404, 49.7957



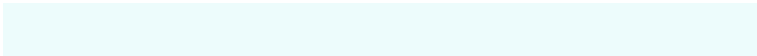
49.2793, 49.8404, 41.7868

# Sweetspot

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



42.6933, 49.8424, 59.0009



87.6202, 95.0173, 106.1911



38.8063, 48.3027, 37.8509



19.0671, 20.7455, 23.2491



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

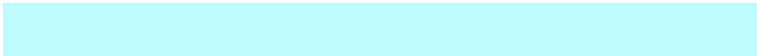


# Same Dimension

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



42.6933, 49.8424, 59.0009



73.6634, 87.8224, 105.5354



38.5440, 41.5432, 57.6193



10.3686, 11.4285, 12.9441



19.0851, 27.9281, 37.9366



0.8246, 1.2067, 1.6392



# Inverse Universe

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



39.8958, 37.0479, 35.6222



67.8008, 61.0091, 56.5412



43.4409, 44.1383, 36.8028



10.0733, 10.0779, 10.4763



14.6276, 7.5408, 0.6849



0.6320, 0.3258, 0.0296



# Previews

## White Background



This preview shows how the XYZ color 42.6919, 49.8404, 58.9998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

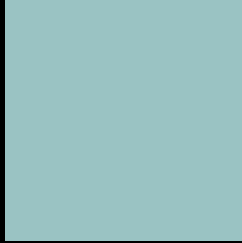
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6919, 49.8404, 58.9998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

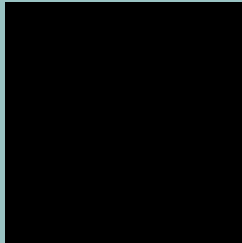
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.6919, 49.8404, 58.9998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6919, 49.8404, 58.9998.



This preview shows how white text looks on a background with the XYZ color 42.6919, 49.8404,



# 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

42.6919, 49.8404, 58.9998

### Protanopia

47.8394, 49.6543, 55.7780

### Deuteranopia

50.5363, 49.4043, 60.2985



## Tritanopia

44.3598, 49.8621, 66.9608

# Trichromacy



## Original Color

42.6919, 49.8404, 58.9998

## Protanomaly

45.6165, 49.4311, 57.0061

## Deuteranomaly

47.1654, 49.2163, 59.8371

## Tritanomaly

43.7816, 49.9633, 63.8363

# Monochromacy



## Original Color

42.6919, 49.8404, 58.9998

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.7532, 47.8992, 53.9531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6919, 49.8404, 58.9998 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, 195, 195)` looks like.

```
.text, #text, p{  
    color:rgb(154, 195, 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(154, 195, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 195, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6919, 49.8404, 58.9998 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, 195, 195) }
```



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

```
.border{ border-color:rgb(154, 195, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 195, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 195, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 195, 195);  
box-shadow:4px 4px 4px 4px rgb(154, 195,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6919, 49.8404, 58.9998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 195, 195) }
```

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

```
.background{ background-color: rgb(154,  
195, 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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