

# Converting Colors

XYZ(21.7673, 27.0158, 36.8639)

Have a look what the booklet for  
XYZ(21.7673, 27.0158, 36.8639)  
contains.

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# Color

**XYZ(21.7382, 26.9117,  
36.8496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C979F
RGB	92, 151, 159
RGB Percent	36%, 59%, 62%
CMY	0.6392, 0.4078, 0.3765
CMYK	0.42, 0.05, 0.00, 0.38
HSL	187°, 27%, 49%
HSV	187°, 42%, 62%
XYZ	21.7382, 26.9117, 36.8496
YIQ	134.2710, -37.7320, -10.0200

# Conversions

## Conversions Part 2

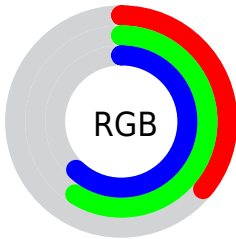
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 123, 159
Decimal	6068127
CIE Lab	58.89, -17.04, -10.25
CIE LCh	59, 19.886, 211.030
Yxy	26.9117, 0.2542, 0.3148
Android (android.graphics.Color)	4284258207 (0xFF5C979F)
YUV	134.2710, 12.1914, -37.0717
Hunter-Lab	51.8765, -15.9856, -5.8021

# Details

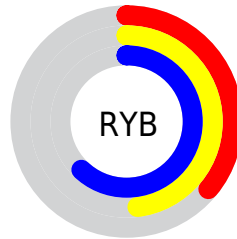
The XYZ color **21.7382, 26.9117, 36.8496** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7874, 17.2583, 12.3614**, and the grayscale version is **22.7268, 23.9103, 26.0384**.

A 20% lighter version of the original color is **45.8230, 54.6287, 71.7476**, and **8.0633, 10.6091, 15.8101** is the 20% darker color. If you saturate the color by 10%, you get **20.0107, 25.5719, 36.6825**, and if you desaturate by 10%, it is **23.8056, 28.4353, 37.0352**.

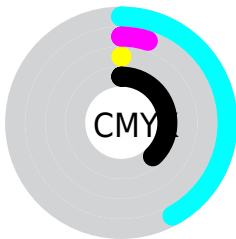
# Distribution



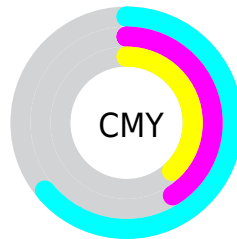
- Red (36%)
- Green (59%)
- Blue (62%)



- Red (36%)
- Yellow (48%)
- Blue (62%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (38%)



- Cyan (64%)
- Magenta (41%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7382, 26.9117, 36.8496 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 21.7382, 26.9117, 36.8496 by changing the saturation by 10% instead.



■ 21.7382, 26.9117,  
36.8496

■ 21.7382, 26.9117,  
36.8496

253.8342,  
287.2293, 347.8080

■ 13.7802, 17.5069,  
24.7962

■ 45.7950, 54.7421,  
71.5251

■ 8.0486, 10.5966,  
15.7076

■ 62.6245, 73.9366,  
94.9844

■ 4.1781, 5.7963,  
9.1654

■ 83.1419, 97.1631,  
123.0826

■ 1.8034, 2.7216,  
4.7509

■ 107.7124,  
124.8059, 156.2384

■ 0.5197, 0.9882,  
2.0457

136.7016,  
157.2496, 194.8703

■ 0.0000, 0.0000,  
0.5832

170.4747,

■ 0.0000, 0.0000,

194.8784, 239.3968

0.0000

209.3971,  
238.0769, 290.2365

■ 21.7382, 26.9117,  
36.8496

■ 21.7382, 26.9117,  
36.8496

■ 20.0107, 25.5719,  
36.6825

■ 23.8056, 28.4353,  
37.0352

■ 18.5997, 24.4019,  
36.5310

■ 26.2297, 30.1495,  
37.2383

■ 17.4824, 23.3905,  
36.3947

■ 29.0291, 32.0645,  
37.4604

■ 16.6322, 22.5241,  
36.2723

■ 32.2203, 34.1889,  
37.7022

■ 16.0174, 21.7861,  
36.1623

■ 35.8190, 36.5308,  
37.9646

■ 15.6390, 21.2651,  
36.0816

■ 39.8398, 39.0978,  
38.2482

■ 44.2967, 41.8971,  
38.5536

■ 49.2031, 44.9357,  
38.8815

■ 54.5717, 48.2201,  
39.2325

# Harmonies

## Analogous

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



21.1376, 26.9117, 29.5463



21.7382, 26.9117, 36.8496



23.3568, 26.9117, 42.8138

# Triad

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



21.7382, 26.9117, 36.8496



29.9412, 26.9117, 36.3607



25.4939, 26.9117, 17.7437

# Complementary

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



21.7382, 26.9117, 36.8496



20.7874, 17.2583, 12.3614

# 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.



27.9373, 26.9117, 18.9824



21.7382, 26.9117, 36.8496



30.6022, 26.9117, 29.0596

# Square

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



21.7382, 26.9117, 36.8496



28.0937, 26.9117, 42.5012



29.8470, 26.9117, 22.8630



23.2186, 26.9117, 19.1651



# Rectangle

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



21.7382, 26.9117, 36.8496



24.8488, 26.9117, 44.8121



29.8470, 26.9117, 22.8630



26.3229, 26.9117, 17.8609

# Sweetspot

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



21.7390, 26.9127, 36.8502



51.3972, 57.0249, 67.0414



19.1037, 27.9886, 16.4062



11.3403, 12.6885, 15.0951



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



21.7390, 26.9127, 36.8502



35.8839, 45.8340, 65.6990



17.1134, 17.6615, 35.3084



6.7542, 7.3742, 8.4741



12.3720, 16.8356, 28.5048



0.2384, 0.3355, 0.5154



# Inverse Universe

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



23.7118, 17.2602, 31.3611



40.0153, 26.4427, 54.0188



24.6613, 25.0061, 13.6527



6.8700, 6.7409, 8.1668



15.0430, 7.3218, 20.2754

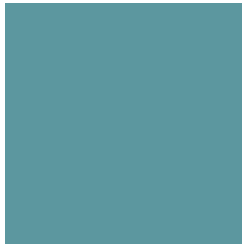


0.2777, 0.1344, 0.4083



# Previews

## White Background



This preview shows how the XYZ color 21.7382, 26.9117, 36.8496 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7382, 26.9117, 36.8496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

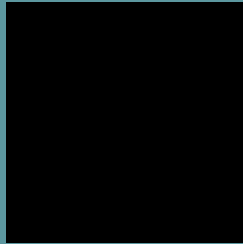
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 21.7382, 26.9117, 36.8496**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.7382, 26.9117, 36.8496.



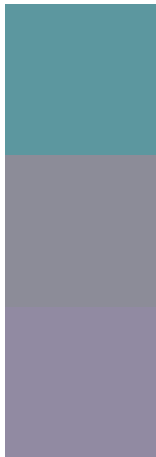
This preview shows how white text looks on a background with the XYZ color 21.7382, 26.9117,



# 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

21.7382, 26.9117, 36.8496

### Protanopia

25.8608, 26.5986, 33.4768

### Deuteranopia

27.2871, 26.8053, 37.9182



## Tritanopia

22.0314, 26.7842, 38.6590

# Trichromacy



## Original Color

21.7382, 26.9117, 36.8496

## Protanomaly

24.0580, 26.5240, 34.8620

## Deuteranomaly

24.8597, 26.6538, 37.5527

## Tritanomaly

21.9421, 26.7485, 38.1889

# Monochromacy



## Original Color

21.7382, 26.9117, 36.8496

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

21.9438, 24.6613, 29.5901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.7382, 26.9117, 36.8496 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(92, 151, 159)` looks like.

```
.text, #text, p{  
    color:rgb(92, 151, 159)  
}
```

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(92, 151, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 151, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 21.7382, 26.9117, 36.8496 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".

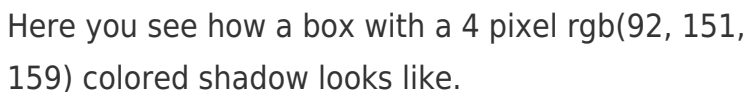
```
.border, #border, table{ border:4px solid rgb(92, 151, 159) }
```



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

```
.border{ border-color:rgb(92, 151, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 151, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 151, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 151, 159);  
box-shadow:4px 4px 4px 4px rgb(92, 151,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.7382, 26.9117, 36.8496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 151, 159) }
```

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

```
.background{ background-color: rgb(92, 151,  
159) }
```

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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