

# Converting Colors

XYZ(24.8151, 31.3022, 37.6149)

Have a look what the booklet for  
XYZ(24.8151, 31.3022, 37.6149)  
contains.

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# Color

**XYZ(24.7719, 31.2274,  
37.5228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67A29F
RGB	103, 162, 159
RGB Percent	40%, 64%, 62%
CMY	0.5961, 0.3647, 0.3765
CMYK	0.36, 0.00, 0.02, 0.36
HSL	177°, 24%, 52%
HSV	177°, 36%, 64%
XYZ	24.7719, 31.2274, 37.5228
YIQ	144.0170, -34.2010, -13.4410

# Conversions

## Conversions Part 2

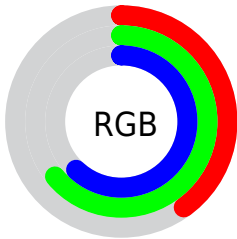
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 133, 162
Decimal	6791839
CIELab	62.70, -19.84, -4.53
CIELCh	63, 20.349, 192.866
Yxy	31.2274, 0.2649, 0.3339
Android (android.graphics.Color)	4284981919 (0xFF67A29F)
YUV	144.0170, 7.3866, -35.9719
Hunter-Lab	55.8815, -18.6647, -0.6945

# Details

The XYZ color **24.7719, 31.2274, 37.5228** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3532, 18.4235, 16.0149**, and the grayscale version is **26.4979, 27.8779, 30.3590**.

A 20% lighter version of the original color is **50.8551, 61.6488, 72.8374**, and **9.6479, 12.9384, 16.1762** is the 20% darker color. If you saturate the color by 10%, you get **23.0197, 30.3331, 37.0693**, and if you desaturate by 10%, it is **26.8864, 32.3100, 37.9971**.

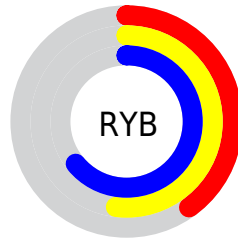
# Distribution



Red (40%)

Green (64%)

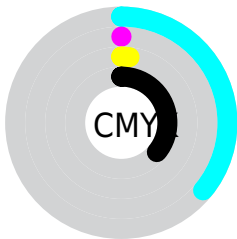
Blue (62%)



Red (40%)

Yellow (52%)

Blue (64%)

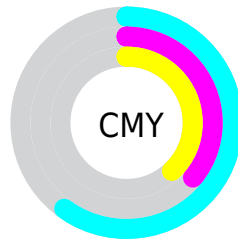


Cyan (36%)

Magenta (0%)

Yellow (2%)

Black (36%)



Cyan (60%)

Magenta (36%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7719, 31.2274, 37.5228 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 24.7719, 31.2274, 37.5228 by changing the saturation by 10% instead.



■ 24.7719, 31.2274,  
37.5228

■ 24.7719, 31.2274,  
37.5228

269.0687,  
307.5846, 350.8051

■ 16.0350, 20.7721,  
25.3136

■ 50.7325, 61.5979,  
72.5714

■ 9.6399, 12.9575,  
16.0897

■ 68.6869, 82.2819,  
96.2479

■ 5.2213, 7.3993,  
9.4326

■ 90.4446, 107.1442,  
124.5839

■ 2.4138, 3.7130,  
4.9238

■ 116.3708,  
136.5692, 157.9979

■ 0.8520, 1.5144,  
2.1446

146.8310,  
170.9414, 196.9084

■ 0.0000, 0.2988,  
0.6422

182.1905,

■ 0.0000, 0.0000,

210.6451, 241.7341

0.0000

222.8146,  
256.0647, 292.8935

■ 24.7719, 31.2274,  
37.5228

■ 24.7719, 31.2274,  
37.5228

■ 23.0197, 30.3331,  
37.0693

■ 26.8864, 32.3100,  
37.9971

■ 21.6063, 29.6127,  
36.6335

■ 29.3797, 33.5870,  
38.4909

■ 20.5095, 29.0553,  
36.2150

■ 32.2706, 35.0689,  
39.0058

■ 19.7034, 28.6479,  
35.8126

■ 35.5757, 36.7642,  
39.5426

■ 19.1581, 28.3748,  
35.4248

■ 39.3109, 38.6813,  
40.1021

■ 18.8309, 28.2141,  
35.0498

■ 43.4910, 40.8276,  
40.6848

■ 18.7337, 28.1668,  
34.9170

■ 48.1302, 43.2106,  
41.2916

■ 53.2422, 45.8373,  
41.9230

■ 58.8399, 48.7143,  
42.5797

# Harmonies

## Analogous

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



24.8633, 31.2274, 29.6908



24.7719, 31.2274, 37.5228



25.9353, 31.2274, 45.5061

# Triad

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



24.7719, 31.2274, 37.5228



33.4648, 31.2274, 46.4913



31.2823, 31.2274, 21.3775

# Complementary

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



24.7719, 31.2274, 37.5228



22.3532, 18.4235, 16.0149

# 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.



33.7704, 31.2274, 24.6201



24.7719, 31.2274, 37.5228



35.0834, 31.2274, 38.7101

# Square

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



24.7719, 31.2274, 37.5228



30.8861, 31.2274, 51.2017



35.1986, 31.2274, 30.7074



28.5071, 31.2274, 21.1619



# Rectangle

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



24.7719, 31.2274, 37.5228



27.3106, 31.2274, 49.5133



35.1986, 31.2274, 30.7074



32.1841, 31.2274, 22.1234

# Sweetspot

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



24.7728, 31.2286, 37.5235



55.9770, 62.3268, 70.3573



21.4249, 29.9428, 17.4831



12.4222, 13.9214, 15.7751



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



24.7728, 31.2286, 37.5235



42.2504, 55.3012, 67.4227



20.9814, 23.2239, 37.5606



7.2605, 8.0050, 8.9834



14.7632, 22.1916, 27.5332



0.3146, 0.4681, 0.6017



# Inverse Universe

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



22.3532, 18.4235, 16.0149



37.1825, 28.4623, 22.3590



25.1429, 24.2484, 16.1880



7.0877, 7.0915, 7.4482



11.7793, 6.0678, 0.7627



0.2516, 0.1291, 0.0377



# Previews

## White Background



This preview shows how the XYZ color 24.7719, 31.2274, 37.5228 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 24.7719, 31.2274, 37.5228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

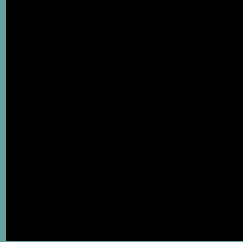
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 24.7719, 31.2274, 37.5228**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.7719, 31.2274, 37.5228.



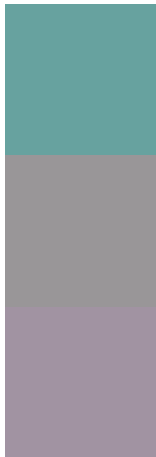
This preview shows how white text looks on a background with the XYZ color 24.7719, 31.2274,



# 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

24.7719, 31.2274, 37.5228

### Protanopia

29.7107, 30.8520, 34.0949

### Deuteranopia

31.6532, 31.0531, 38.5080



## Tritanopia

26.1770, 31.2845, 44.1940

# Trichromacy



## Original Color

24.7719, 31.2274, 37.5228

## Protanomaly

27.4637, 30.6287, 35.4748

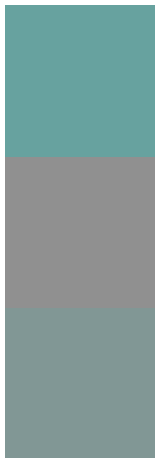
## Deuteranomaly

28.4765, 30.6051, 38.1247

## Tritanomaly

25.7566, 31.3811, 41.7454

# Monochromacy



## Original Color

24.7719, 31.2274, 37.5228

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

25.5447, 28.9703, 32.6792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.7719, 31.2274, 37.5228 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(103, 162, 159)` looks like.

```
.text, #text, p{  
    color:rgb(103, 162, 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(103, 162, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 162, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 24.7719, 31.2274, 37.5228 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(103, 162, 159) }
```



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

```
.border{ border-color:rgb(103, 162, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 162, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 162, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 162, 159);  
box-shadow:4px 4px 4px 4px rgb(103, 162,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.7719, 31.2274, 37.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 162, 159) }
```

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

```
.background{ background-color: rgb(103,  
162, 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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