

# Converting Colors

XYZ(24.6960, 31.9518, 39.0481)

Have a look what the booklet for  
XYZ(24.6960, 31.9518, 39.0481)  
contains.

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# Color

**XYZ(24.6960, 31.9518,  
39.0481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FA5A2
RGB	95, 165, 162
RGB Percent	37%, 65%, 64%
CMY	0.6274, 0.3529, 0.3647
CMYK	0.42, 0.00, 0.02, 0.35
HSL	177°, 28%, 51%
HSV	177°, 42%, 65%
XYZ	24.6960, 31.9518, 39.0481
YIQ	143.7280, -40.7570, -15.7730

# Conversions

## Conversions Part 2

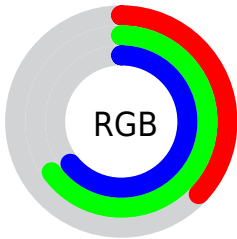
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 131, 165
Decimal	6268322
CIELab	63.30, -22.77, -5.36
CIELCh	63, 23.392, 193.259
Yxy	31.9518, 0.2581, 0.3339
Android (android.graphics.Color)	4284458402 (0xFF5FA5A2)
YUV	143.7280, 9.0081, -42.7345
Hunter-Lab	56.5259, -20.9343, -1.3894

# Details

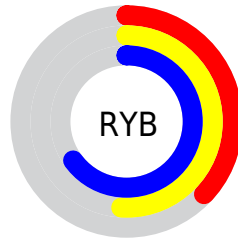
The XYZ color **24.6960, 31.9518, 39.0481** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8149, 17.0664, 13.7007**, and the grayscale version is **26.3773, 27.7510, 30.2208**.

A 20% lighter version of the original color is **50.5120, 62.5857, 75.0636**, and **9.5947, 13.3872, 16.8301** is the 20% darker color. If you saturate the color by 10%, you get **23.0978, 31.1359, 38.6466**, and if you desaturate by 10%, it is **26.6595, 32.9575, 39.4700**.

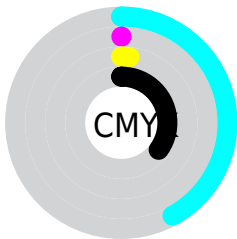
# Distribution



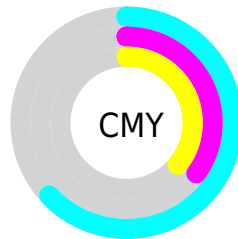
- Red (37%)
- Green (65%)
- Blue (64%)



- Red (37%)
- Yellow (51%)
- Blue (65%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (35%)



- Cyan (63%)
- Magenta (35%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6960, 31.9518, 39.0481 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 24.6960, 31.9518, 39.0481 by changing the saturation by 10% instead.



■ 24.6960, 31.9518,  
39.0481

■ 24.6960, 31.9518,  
39.0481

268.6963,  
310.8996, 357.5270

■ 15.9782, 21.3247,  
26.4890

■ 50.6101, 62.7355,  
74.9329

■ 9.5995, 13.3615,  
16.9608

■ 68.5371, 83.6609,  
99.0958

■ 5.1945, 7.6780,  
10.0449

■ 90.2646, 108.7879,  
127.9637

■ 2.3977, 3.8896,  
5.3227

■ 116.1578,  
138.5007, 161.9551

■ 0.8440, 1.6120,  
2.3758

146.5823,  
173.1840, 201.4886

■ 0.0000, 0.3657,  
0.7732

181.9033,

■ 0.0000, 0.0000,

213.2219, 246.9827

0.0000

222.4861,  
258.9990, 298.8560

■ 24.6960, 31.9518,  
39.0481

■ 24.6960, 31.9518,  
39.0481

■ 23.0978, 31.1359,  
38.6466

■ 26.6595, 32.9575,  
39.4700

■ 21.8390, 30.4942,  
38.2620

■ 29.0065, 34.1601,  
39.9110

■ 20.8946, 30.0145,  
37.8941


■ 31.7574, 35.5709,  
40.3727


■ 20.2353, 29.6817,  
37.5413


■ 34.9306, 37.1993,  
40.8561


■ 19.8259, 29.4778,  
37.2020


■ 38.5429, 39.0540,  
41.3619

 19.6210, 29.3775,  
36.9512

 42.6105, 41.1435,  
41.8908

 47.1487, 43.4755,  
42.4437

 52.1722, 46.0576,  
43.0211

 57.6948, 48.8970,  
43.6237

# Harmonies

## Analogous

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



24.7815, 31.9518, 29.8961



24.6960, 31.9518, 39.0481



26.0513, 31.9518, 48.5171

# Triad

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



24.6960, 31.9518, 39.0481



34.8453, 31.9518, 49.4811



32.2007, 31.9518, 20.3396

# Complementary

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



24.6960, 31.9518, 39.0481



21.8149, 17.0664, 13.7007

# 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.



35.1397, 31.9518, 23.9322



24.6960, 31.9518, 39.0481



36.7394, 31.9518, 40.1909

# Square

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



24.6960, 31.9518, 39.0481



31.8217, 31.9518, 55.2244



36.8509, 31.9518, 30.8534



28.9616, 31.9518, 20.1439



# Rectangle

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



24.6960, 31.9518, 39.0481



27.6494, 31.9518, 53.2963



36.8509, 31.9518, 30.8534



33.2618, 31.9518, 21.1563

# Sweetspot

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



24.6969, 31.9531, 39.0488



56.4440, 63.4823, 72.2331



20.6127, 30.3623, 15.6012



12.1016, 13.7563, 15.7529



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.



24.6969, 31.9531, 39.0488



41.4905, 55.8242, 69.2450



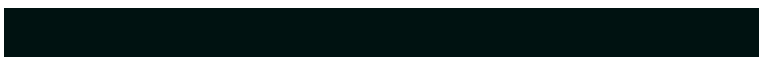
19.9679, 22.0628, 38.8049



7.2629, 8.0060, 8.9964



14.8477, 22.2254, 27.9783



0.3157, 0.4685, 0.6076



# Inverse Universe

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



21.8149, 17.0664, 13.7007



35.6323, 25.5389, 17.7015



25.1087, 23.8765, 14.1123



7.0855, 7.0907, 7.4367



11.7730, 6.0652, 0.7292

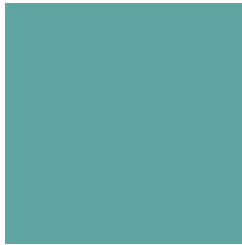


0.2509, 0.1288, 0.0336



# Previews

## White Background



This preview shows how the XYZ color 24.6960, 31.9518, 39.0481 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 24.6960, 31.9518, 39.0481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

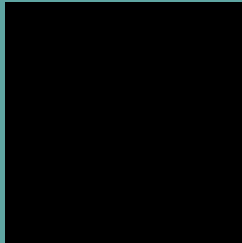
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 24.6960, 31.9518, 39.0481**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6960, 31.9518, 39.0481.



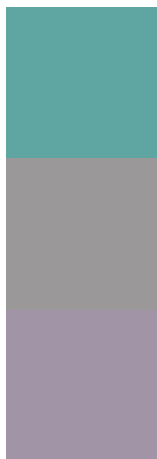
This preview shows how white text looks on a background with the XYZ color 24.6960, 31.9518,



# 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

24.6960, 31.9518, 39.0481

### Protanopia

30.5785, 31.7581, 35.0901

### Deuteranopia

32.1708, 31.5100, 40.4629



## Tritanopia

26.0793, 31.9816, 45.8728

# Trichromacy



## Original Color

24.6960, 31.9518, 39.0481

## Protanomaly

27.8156, 31.5348, 36.5191

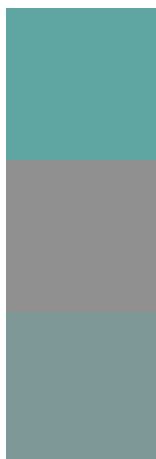
## Deuteranomaly

28.6637, 31.1462, 40.0984

## Tritanomaly

25.6631, 32.0879, 43.3691

# Monochromacy



## Original Color

24.6960, 31.9518, 39.0481

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

25.4183, 29.1265, 33.5604

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6960, 31.9518, 39.0481 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(95, 165, 162)` looks like.

```
.text, #text, p{  
    color:rgb(95, 165, 162)  
}
```

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(95, 165, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 165, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6960, 31.9518, 39.0481 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(95, 165, 162) }
```



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

```
.border{ border-color:rgb(95, 165, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 165, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 165, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 165, 162);  
box-shadow:4px 4px 4px 4px rgb(95, 165,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6960, 31.9518, 39.0481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 165, 162) }
```

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

```
.background{ background-color: rgb(95, 165,  
162) }
```

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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