

# Converting Colors

XYZ(23.1294, 31.4941, 24.9404)

Have a look what the booklet for  
XYZ(23.1294, 31.4941, 24.9404)  
contains.

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# Color

**XYZ(23.1116, 31.4458,  
24.9302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69A57F
RGB	105, 165, 127
RGB Percent	41%, 65%, 50%
CMY	0.5882, 0.3529, 0.5020
CMYK	0.36, 0.00, 0.23, 0.35
HSL	142°, 25%, 53%
HSV	142°, 36%, 65%
XYZ	23.1116, 31.4458, 24.9302
YIQ	142.7280, -23.5620, -24.5380

# Conversions

## Conversions Part 2

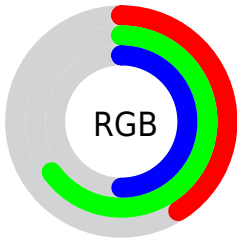
Format	Color
<a href="#">RYB</a>	<a href="#">105, 149, 165</a>
Decimal	<a href="#">6923647</a>
CIELab	<a href="#">62.88, -27.93, 13.65</a>
CIElCh	<a href="#">63, 31.086, 153.954</a>
Yxy	<a href="#">31.4458, 0.2908, 0.3956</a>
Android (android.graphics.Color)	<a href="#">4285113727 (0xFF69A57F)</a>
YUV	<a href="#">142.7280, -7.7539, -33.0875</a>
Hunter-Lab	<a href="#">56.0766, -24.5663, 12.8948</a>

# Details

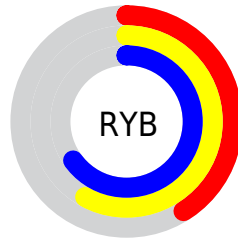
The XYZ color **23.1116, 31.4458, 24.9302** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.5276, 20.0864, 28.5195**, and the grayscale version is **26.0373, 27.3933, 29.8313**.

A 20% lighter version of the original color is **47.9320, 61.7508, 52.5728**, and **8.8016, 13.1446, 9.2810** is the 20% darker color. If you saturate the color by 10%, you get **20.7124, 30.2845, 21.4454**, and if you desaturate by 10%, it is **25.9592, 32.8318, 28.8062**.

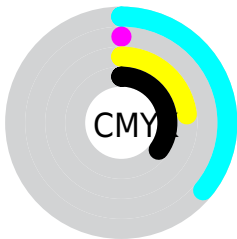
# Distribution



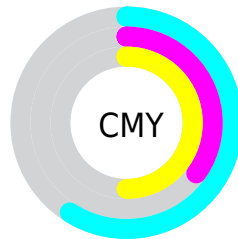
- Red (41%)
- Green (65%)
- Blue (50%)



- Red (41%)
- Yellow (58%)
- Blue (65%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (35%)




- Cyan (59%)
- Magenta (35%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1116, 31.4458, 24.9302 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 23.1116, 31.4458, 24.9302 by changing the saturation by 10% instead.





 23.1116, 31.4458,  
24.9302


 23.1116, 31.4458,  
24.9302


260.8223,  
308.5869, 290.9267


 14.7971, 20.9385,  
15.8065


 48.0418, 61.9413,  
52.5067


 8.7625, 13.0791,  
9.2345

 65.3882, 82.6983,  
71.7966

 4.6424, 7.4830,  
4.7955


 86.4760, 107.6406,  
95.3122

 2.0716, 3.7660,  
2.0712

 111.6704,  
137.1528, 123.4723

 0.6737, 1.5435,  
0.5985

141.3369,  
171.6191, 156.6952

 0.0000, 0.3191,  
0.0000

175.8408,

 0.0000, 0.0000,

211.4239, 195.3995

0.0000

215.5475,  
256.9517, 240.0039

■ 23.1116, 31.4458,  
24.9302

■ 23.1116, 31.4458,  
24.9302

■ 20.7124, 30.2845,  
21.4454

■ 25.9592, 32.8318,  
28.8062

■ 18.7350, 29.3319,  
18.3373

■ 29.2749, 34.4499,  
33.0830

■ 17.1541, 28.5759,  
15.5937


■ 33.0799, 36.3116,  
37.7725


■ 15.9401, 28.0018,  
13.2008


■ 37.3938, 38.4268,  
42.8855


■ 15.0591, 27.5923,  
11.1439


■ 42.2349, 40.8047,  
48.4324


 14.4648, 27.3237,  
9.4069

 47.6204, 43.4540,  
54.4232

 14.2846, 27.2430,  
8.8500

 53.5670, 46.3831,  
60.8677

 60.0905, 49.6000,  
67.7751

 67.2061, 53.1122,  
75.1546

# Harmonies

## Analogous

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



25.5395, 31.4458, 18.2236



23.1116, 31.4458, 24.9302



22.4334, 31.4458, 35.8835

# Triad

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



23.1116, 31.4458, 24.9302



30.4571, 31.4458, 63.4073



37.2169, 31.4458, 22.7292

# Complementary

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



23.1116, 31.4458, 24.9302



25.5276, 20.0864, 28.5195

# 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.



38.8350, 31.4458, 32.6458



23.1116, 31.4458, 24.9302



34.7046, 31.4458, 57.6390

# Square

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



23.1116, 31.4458, 24.9302



26.4313, 31.4458, 59.9602



37.8749, 31.4458, 45.6173



33.6343, 31.4458, 17.1810



# Rectangle

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



23.1116, 31.4458, 24.9302



23.0052, 31.4458, 44.6828



37.8749, 31.4458, 45.6173



38.0233, 31.4458, 25.5645

# Sweetspot

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



23.1124, 31.4471, 24.9309



55.8332, 63.3603, 63.4887



27.5076, 33.8609, 18.4510



12.0182, 13.7598, 13.6477



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.



23.1124, 31.4471, 24.9309



37.7115, 54.5341, 39.3329



25.2826, 32.3152, 36.3587



7.0879, 7.9360, 8.0747



10.8283, 20.6177, 6.8125



0.2497, 0.4421, 0.2601



# Inverse Universe

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



25.5276, 20.0864, 28.5195



42.7026, 31.0284, 46.7283



23.6068, 19.3181, 18.4047



7.2536, 7.1579, 8.3219



13.6731, 6.8253, 10.7350



0.3088, 0.1520, 0.3390



# Previews

## White Background



This preview shows how the XYZ color 23.1116, 31.4458, 24.9302 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 23.1116, 31.4458, 24.9302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

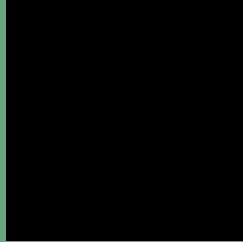
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 23.1116, 31.4458, 24.9302

## Background



This preview shows how black text looks on a background with the XYZ color 23.1116, 31.4458, 24.9302.



This preview shows how white text looks on a background with the XYZ color 23.1116, 31.4458,



# 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

23.1116, 31.4458, 24.9302

### Protanopia

29.1547, 31.0664, 22.2291

### Deuteranopia

31.6092, 31.0807, 25.8059



## Tritanopia

26.9148, 31.4197, 43.6758

# Trichromacy



## Original Color

23.1116, 31.4458, 24.9302

## Protanomaly

26.4481, 30.8697, 23.3034

## Deuteranomaly

27.6332, 30.6901, 25.5864

## Tritanomaly

25.3012, 31.2695, 36.1546

# Monochromacy



## Original Color

23.1116, 31.4458, 24.9302

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

24.6352, 28.6065, 27.8901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.1116, 31.4458, 24.9302 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(105, 165, 127)` looks like.

```
.text, #text, p{  
    color:rgb(105, 165, 127)  
}
```

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(105, 165, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 165, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 23.1116, 31.4458, 24.9302 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(105, 165, 127) }
```



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

```
.border{ border-color:rgb(105, 165, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 165, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 165, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 165, 127);  
box-shadow:4px 4px 4px 4px rgb(105, 165,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.1116, 31.4458, 24.9302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 165, 127) }
```

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

```
.background{ background-color: rgb(105,  
165, 127) }
```

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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