

Converting Colors

XYZ(23.1286, 28.9934, 17.4448)

Have a look what the booklet for
XYZ(23.1286, 28.9934, 17.4448)
contains.

XYZ(23.1221, 29.0314, 17.4817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1221, 29.0314,
17.4817)**

Conversions

Conversions Part 1

Format	Color
Hex	809B68
RGB	128, 155, 104
RGB Percent	50%, 61%, 41%
CMY	0.4980, 0.3921, 0.5922
CMYK	0.17, 0.00, 0.33, 0.39
HSL	92°, 20%, 51%
HSV	92°, 33%, 61%
XYZ	23.1221, 29.0314, 17.4817
YIQ	141.1130, 0.2790, -21.5850

Conversions

Conversions Part 2

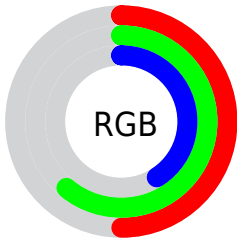
Format	Color
RYB	104, 155, 131
Decimal	8428392
CIELab	60.81, -18.95, 23.73
CIELCh	61, 30.364, 128.607
Yxy	29.0314, 0.3320, 0.4169
Android (android.graphics.Color)	4286618472 (0xFF809B68)
YUV	141.1130, -18.2967, -11.5001
Hunter-Lab	53.8808, -17.6909, 18.4798

Details

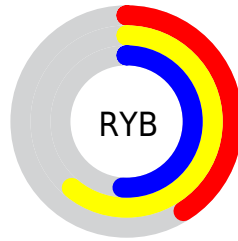
The XYZ color **23.1221, 29.0314, 17.4817** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.2281, 17.0934, 33.2452**, and the grayscale version is **25.4319, 26.7563, 29.1376**.

A 20% lighter version of the original color is **48.1034, 58.3172, 40.1735**, and **8.8060, 11.8059, 5.5560** is the 20% darker color. If you saturate the color by 10%, you get **21.2213, 28.1352, 13.6539**, and if you desaturate by 10%, it is **25.2690, 30.0395, 22.0777**.

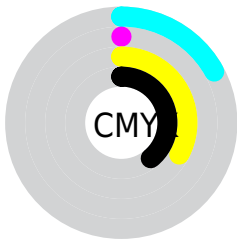
Distribution



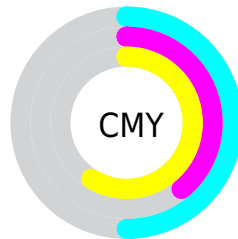
- Red (50%)
- Green (61%)
- Blue (41%)



- Red (41%)
- Yellow (61%)
- Blue (51%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (39%)



- Cyan (50%)
- Magenta (39%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1221, 29.0314, 17.4817 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 23.1221, 29.0314, 17.4817 by changing the saturation by 10% instead.

■ 23.1221, 29.0314,
17.4817

■ 23.1221, 29.0314,
17.4817

260.8751,
297.3631, 250.0704

■ 14.8049, 19.1046,
10.4129

■ 48.0589, 58.1270,
39.9541

■ 8.7680, 11.7459,
5.5644

■ 65.4092, 78.0645,
56.1948

■ 4.6461, 6.5709,
2.5176

■ 86.5013, 102.1077,
76.3299

■ 2.0737, 3.1952,
0.8495

■ 111.7004,
130.6411, 100.7780

■ 0.6749, 1.2345,
0.0000

141.3720,
164.0488, 129.9575

■ 0.0000, 0.0896,
0.0000

175.8815,

■ 0.0000, 0.0000,

202.7155, 164.2871

0.0000

215.5940,
247.0255, 204.1852

■ 23.1221, 29.0314,
17.4817

■ 23.1221, 29.0314,
17.4817

■ 21.2213, 28.1352,
13.6539

■ 25.2690, 30.0395,
22.0777

■ 19.5542, 27.3427,
10.5506

■ 27.6693, 31.1599,
27.4787

■ 18.1102, 26.6504,
8.1262


■ 30.3330, 32.3977,
33.7216


■ 16.8771, 26.0533,
6.3298


■ 33.2684, 33.7564,
40.8402


■ 15.8413, 25.5454,
5.1027


■ 36.4839, 35.2397,
48.8665


 14.9868, 25.1200,
4.3754

 39.9870, 36.8509,
57.8311

 14.4647, 24.8579,
4.0357

 43.7853, 38.5931,
67.7630

 47.8860, 40.4694,
78.6898

 52.2959, 42.4829,
90.6383

Harmonies

Analogous

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



26.4728, 29.0314, 14.6173



23.1221, 29.0314, 17.4817



21.1109, 29.0314, 24.3240

Triad

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



23.1221, 29.0314, 17.4817



24.9158, 29.0314, 56.4851



35.8014, 29.0314, 28.4666

Complementary

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



23.1221, 29.0314, 17.4817



20.2281, 17.0934, 33.2452

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.



35.2833, 29.0314, 40.2231



23.1221, 29.0314, 17.4817



28.7454, 29.0314, 58.3506

Square

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



23.1221, 29.0314, 17.4817



22.0757, 29.0314, 47.2112



32.6071, 29.0314, 51.8275



33.9616, 29.0314, 19.8915

Rectangle

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



23.1221, 29.0314, 17.4817



20.6782, 29.0314, 31.0847



32.6071, 29.0314, 51.8275



35.9005, 29.0314, 32.1417

Sweetspot

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



23.1228, 29.0327, 17.4823



50.7951, 56.3805, 52.0857



24.0467, 24.0277, 16.4676



11.3601, 12.6976, 11.4715



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.1228, 29.0327, 17.4823



39.0273, 50.8689, 26.4627



19.9733, 27.4040, 17.5615



6.3947, 7.0609, 6.6317



11.6609, 19.9873, 3.2433



0.2158, 0.3202, 0.0504

Inverse Universe

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



20.2281, 17.0934, 33.2452



33.0739, 26.3195, 58.8733



24.3143, 19.2081, 33.0651



6.1810, 6.1792, 7.7959



7.5960, 3.3669, 25.1572



0.1555, 0.0720, 0.3781

Previews

White Background



This preview shows how the XYZ color 23.1221, 29.0314, 17.4817 looks on a white background.

Color Contrast Check

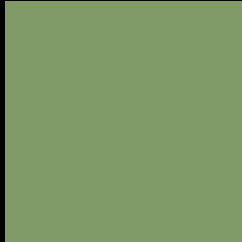
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1221, 29.0314, 17.4817 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 23.1221, 29.0314, 17.4817

Background



This preview shows how black text looks on a background with the XYZ color 23.1221, 29.0314, 17.4817.



This preview shows how white text looks on a background with the XYZ color 23.1221, 29.0314,

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

23.1221, 29.0314, 17.4817

Protanopia

26.6797, 28.7470, 16.1991

Deuteranopia

29.2655, 28.7019, 17.9075



Tritanopia

27.0884, 28.9521, 37.4183

Trichromacy



Original Color

23.1221, 29.0314, 17.4817

Protanomaly

25.1290, 28.6375, 16.5151

Deuteranomaly

26.6315, 28.4595, 17.7253

Tritanomaly

25.4731, 29.0132, 29.0685

Monochromacy



Original Color

23.1221, 29.0314, 17.4817

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.3285, 27.3505, 24.4190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1221, 29.0314, 17.4817 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(128, 155, 104)` looks like.

```
.text, #text, p{  
    color:rgb(128, 155, 104)  
}
```

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(128, 155, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 155, 104) }
```

Border

The CSS property to change the border of an element to XYZ 23.1221, 29.0314, 17.4817 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(128, 155, 104) }
```


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

```
.border{ border-color:rgb(128, 155, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 155, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 155, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 155, 104);  
box-shadow:4px 4px 4px 4px rgb(128, 155,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1221, 29.0314, 17.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 155, 104) }
```

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

```
.background{ background-color: rgb(128,  
155, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor