

Converting Colors

XYZ(23.5764, 28.8308, 2.8187)

Have a look what the booklet for
XYZ(23.5764, 28.8308, 2.8187)
contains.

XYZ(23.8059, 28.9405, 4.3314)	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(23.8059, 28.9405,
4.3314)**

Conversions

Conversions Part 1

Format	Color
Hex	969800
RGB	150, 152, 0
RGB Percent	59%, 60%, 0%
CMY	0.4118, 0.4039, 0.9999
CMYK	0.01, 0.00, 1.00, 0.40
HSL	61°, 100%, 30%
HSV	61°, 100%, 60%
XYZ	23.8059, 28.9405, 4.3314
YIQ	134.0740, 47.6000, -47.6960

Conversions

Conversions Part 2

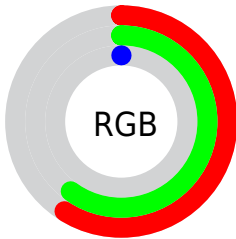
Format	Color
RYB	0, 152, 2
Decimal	9869312
CIELab	60.73, -15.55, 64.02
CIELCh	61, 65.880, 103.656
Yxy	28.9405, 0.4171, 0.5070
Android (android.graphics.Color)	4288059392 (0xFF969800)
YUV	134.0740, -66.0985, 13.9671
Hunter-Lab	53.7964, -15.1541, 32.8837

Details

The XYZ color **23.8059, 28.9405, 4.3314** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.6933, 2.2805, 29.8477**, and the grayscale version is **22.9117, 24.1049, 26.2503**.

A 20% lighter version of the original color is **49.2534, 58.0204, 14.7340**, and **9.3730, 11.7403, 1.7721** is the 20% darker color. If you saturate the color by 10%, you get **23.8064, 28.9418, 4.3316**, and if you desaturate by 10%, it is **23.9312, 28.9960, 4.7955**.

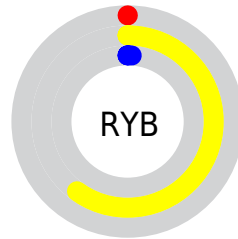
Distribution



Red (59%)

Green (60%)

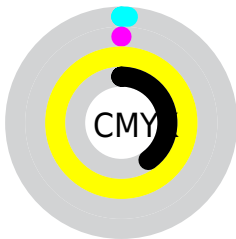
Blue (0%)



Red (0%)

Yellow (60%)

Blue (1%)

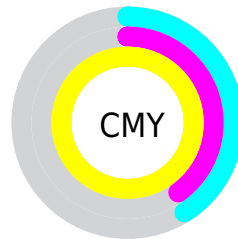


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (41%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8059, 28.9405, 4.3314 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 23.8059, 28.9405, 4.3314 by changing the saturation by 10% instead.

■ 23.8059, 28.9405,
4.3314

■ 23.8059, 28.9405,
4.3314

264.2964,
296.9341, 151.8406

■ 15.3137, 19.0358,
1.8089

■ 49.1703, 57.9825,
14.7671

■ 9.1276, 11.6962,
0.4338

■ 66.7731, 77.8887,
23.5174

■ 4.8823, 6.5371,
0.0000

■ 88.1435, 101.8974,
35.1806

■ 2.2124, 3.1744,
0.0000

■ 113.6468,
130.3932, 50.1754

■ 0.7493, 1.2234,
0.0000

■ 143.6484,
163.7603, 68.9203

■ 0.0000, 0.0807,
0.0000

■ 178.5136,

■ 0.0000, 0.0000,

202.3833, 91.8337

0.0000

218.6078,
246.6464, 119.3343

23.8059, 28.9405,
4.3314

23.8059, 28.9405,
4.3314

23.8064, 28.9418,
4.3316

23.9312, 28.9960,
4.7955

24.1201, 29.0758,
5.5972

24.4031, 29.1933,
6.8938

24.7919, 29.3531,
8.7479

25.2968, 29.5594,
11.2126

■ 25.9267, 29.8156,
14.3350

■ 26.6896, 30.1251,
18.1576

■ 27.5929, 30.4907,
22.7192

■ 28.6434, 30.9153,
28.0559

Harmonies

Analogous

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



32.3970, 28.9405, 4.4854



23.8059, 28.9405, 4.3314



17.6484, 28.9405, 8.2490

Triad

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



23.8059, 28.9405, 4.3314



17.2458, 28.9405, 76.4623



46.4880, 28.9405, 46.7024

Complementary

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



23.8059, 28.9405, 4.3314



5.6933, 2.2805, 29.8477

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.



40.4866, 28.9405, 79.3174



23.8059, 28.9405, 4.3314



23.1358, 28.9405, 101.7123

Square

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



23.8059, 28.9405, 4.3314



14.4262, 28.9405, 43.9836



31.5733, 28.9405, 102.9660



46.7718, 28.9405, 21.6524

Rectangle

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



23.8059, 28.9405, 4.3314



15.2494, 28.9405, 14.8968



31.5733, 28.9405, 102.9660



45.0240, 28.9405, 57.3592

Sweetspot

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



23.8066, 28.9419, 4.3320



47.0203, 53.1355, 31.6126



12.9499, 6.6761, 0.6065



10.5632, 12.0268, 6.5628



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.8066, 28.9419, 4.3320



42.0055, 51.0755, 7.6446



14.2102, 23.9948, 3.8829



6.7009, 7.2188, 6.6460



19.9622, 24.2668, 3.6318



0.3006, 0.3639, 0.0544

Inverse Universe

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



5.6933, 2.2805, 29.8477



10.0361, 4.0182, 52.6803



8.6492, 3.8043, 29.9860



5.8916, 6.0300, 7.7824



4.7752, 1.9128, 25.0252



0.0731, 0.0295, 0.3742

Previews

White Background



This preview shows how the XYZ color 23.8059, 28.9405, 4.3314 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 23.8059, 28.9405, 4.3314 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 23.8059, 28.9405, 4.3314

Background



This preview shows how black text looks on a background with the XYZ color 23.8059, 28.9405, 4.3314.



This preview shows how white text looks on a background with the XYZ color 23.8059, 28.9405,

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

23.8059, 28.9405, 4.3314

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.3949, 28.8414, 4.8283



Tritanopia

29.6896, 28.7903, 33.6980

Trichromacy



Original Color

23.8059, 28.9405, 4.3314

Protanomaly

25.2447, 28.9685, 4.2609

Deuteranomaly

27.0727, 28.7517, 4.5747

Tritanomaly

25.9934, 28.1818, 15.3789

Monochromacy



Original Color

23.8059, 28.9405, 4.3314

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9798, 25.2811, 12.3156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8059, 28.9405, 4.3314 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(150, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 152, 0)  
}
```

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(150, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.8059, 28.9405, 4.3314 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(150, 152, 0) }
```


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

```
.border{ border-color:rgb(150, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8059, 28.9405, 4.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 152, 0) }
```

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

```
.background{ background-color: rgb(150,  
152, 0) }
```

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