

Converting Colors

XYZ(23.8117, 28.9520, 3.6233)

Have a look what the booklet for
XYZ(23.8117, 28.9520, 3.6233)
contains.

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Color

**XYZ(23.9907, 29.0358,
4.3400)**

Conversions

Conversions Part 1

Format	Color
Hex	979800
RGB	151, 152, 0
RGB Percent	59%, 60%, 0%
CMY	0.4078, 0.4039, 1.0000
CMYK	0.01, 0.00, 1.00, 0.40
HSL	60°, 100%, 30%
HSV	60°, 100%, 60%
XYZ	23.9907, 29.0358, 4.3400
YIQ	134.3730, 48.1960, -47.4840

Conversions

Conversions Part 2

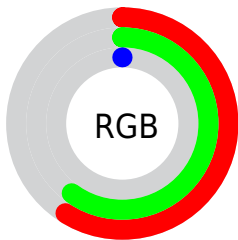
Format	Color
RYB	0, 152, 1
Decimal	9934848
CIELab	60.81, -15.10, 64.12
CIELCh	61, 65.873, 103.254
Yxy	29.0358, 0.4182, 0.5061
Android (android.graphics.Color)	4288124928 (0xFF979800)
YUV	134.3730, -66.2459, 14.5819
Hunter-Lab	53.8849, -14.8265, 32.9441

Details

The XYZ color **23.9907, 29.0358, 4.3400** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.6807, 2.2740, 29.8472**, and the grayscale version is **23.0228, 24.2217, 26.3775**.

A 20% lighter version of the original color is **49.5355, 58.1658, 14.7472**, and **9.4776, 11.7942, 1.7770** is the 20% darker color. If you saturate the color by 10%, you get **23.9913, 29.0371, 4.3403**, and if you desaturate by 10%, it is **24.0977, 29.0819, 4.8032**.

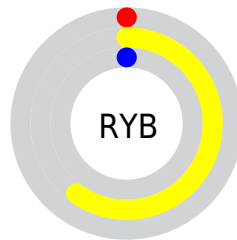
Distribution



Red (59%)

Green (60%)

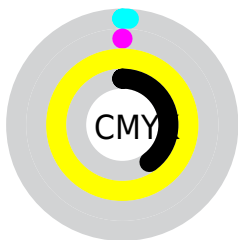
Blue (0%)



Red (0%)

Yellow (60%)

Blue (0%)

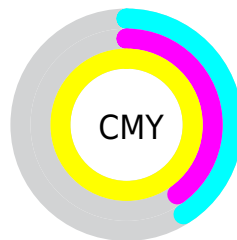


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (41%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9907, 29.0358, 4.3400 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 23.9907, 29.0358, 4.3400 by changing the saturation by 10% instead.

■ 23.9907, 29.0358,
4.3400

■ 23.9907, 29.0358,
4.3400

265.2148,
297.3838, 151.9327

■ 15.4514, 19.1079,
1.8137

■ 49.4698, 58.1340,
14.7866

■ 9.2252, 11.7483,
0.4369

■ 67.1403, 78.0730,
23.5440

■ 4.9466, 6.5725,
0.0000

■ 88.5854, 102.1179,
35.2154

■ 2.2504, 3.1962,
0.0000

■ 114.1702,
130.6530, 50.2194

■ 0.7691, 1.2350,
0.0000

■ 144.2602,
164.0628, 68.9746

■ 0.0000, 0.0900,
0.0000

■ 179.2207,

■ 0.0000, 0.0000,

202.7316, 91.8996

0.0000

219.4171,
247.0438, 119.4127

23.9907, 29.0358,
4.3400

23.9907, 29.0358,
4.3400

23.9913, 29.0371,
4.3403

24.0977, 29.0819,
4.8032

24.2683, 29.1522,
5.6040

24.5329, 29.2602,
6.8997

24.9033, 29.4106,
8.7529

25.3898, 29.6073,
11.2166

■ 26.0011, 29.8540,
14.3381

■ 26.7455, 30.1539,
18.1597

■ 27.6301, 30.5100,
22.7204

■ 28.6620, 30.9249,
28.0561

Harmonies

Analogous

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



32.6210, 29.0358, 4.5410



23.9907, 29.0358, 4.3400



17.7792, 29.0358, 8.2003

Triad

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



23.9907, 29.0358, 4.3400



17.2551, 29.0358, 76.2104



46.5673, 29.0358, 47.2483

Complementary

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



23.9907, 29.0358, 4.3400



5.6807, 2.2740, 29.8472

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.



40.4937, 29.0358, 79.9231



23.9907, 29.0358, 4.3400



23.1185, 29.0358, 101.7219

Square

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



23.9907, 29.0358, 4.3400



14.4688, 29.0358, 43.7113



31.5492, 29.0358, 103.3519



46.9364, 29.0358, 21.9857

Rectangle

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



23.9907, 29.0358, 4.3400



15.3466, 29.0358, 14.7824



31.5492, 29.0358, 103.3519



45.0757, 29.0358, 57.9521

Sweetspot

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



23.9914, 29.0372, 4.3406



47.1210, 53.1873, 31.6173



12.9499, 6.6761, 0.6064



10.5889, 12.0400, 6.5640



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.



23.9914, 29.0372, 4.3406



42.3379, 51.2469, 7.6602



14.2102, 23.9948, 3.8828



6.7049, 7.2208, 6.6462



20.1160, 24.3461, 3.6390



0.3018, 0.3645, 0.0545

Inverse Universe

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



5.6807, 2.2740, 29.8472



10.0200, 4.0099, 52.6795



8.6491, 3.8042, 29.9861



5.8881, 6.0282, 7.7822



4.7637, 1.9068, 25.0247



0.0721, 0.0290, 0.3742

Previews

White Background



This preview shows how the XYZ color 23.9907, 29.0358, 4.3400 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 23.9907, 29.0358, 4.3400 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 23.9907, 29.0358, 4.3400

Background



This preview shows how black text looks on a background with the XYZ color 23.9907, 29.0358, 4.3400.



This preview shows how white text looks on a background with the XYZ color 23.9907, 29.0358,

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

23.9907, 29.0358, 4.3400

Protanopia

26.1596, 28.9744, 4.2139

Deuteranopia

29.3949, 28.8414, 4.8283



Tritanopia

29.8903, 28.8938, 33.7074

Trichromacy



Original Color

23.9907, 29.0358, 4.3400

Protanomaly

25.4454, 29.0720, 4.2703

Deuteranomaly

27.2931, 28.8652, 4.5850

Tritanomaly

26.1877, 28.2820, 15.3880

Monochromacy



Original Color

23.9907, 29.0358, 4.3400

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 23.9907, 29.0358, 4.3400 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(151, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.9907, 29.0358, 4.3400 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(151, 152, 0) }
```


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

```
.border{ border-color:rgb(151, 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(151, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9907, 29.0358, 4.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 152, 0) }
```

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

```
.background{ background-color: rgb(151,  
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](#).

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