

Converting Colors

XYZ(30.3116, 29.2472, 59.7045)

Have a look what the booklet for
XYZ(30.3116, 29.2472, 59.7045)
contains.

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Color

**XYZ(30.3068, 29.1973,
59.9154)**

Conversions

Conversions Part 1

Format	Color
Hex	8590CA
RGB	133, 144, 202
RGB Percent	52%, 56%, 79%
CMY	0.4784, 0.4353, 0.2078
CMYK	0.34, 0.29, 0.00, 0.21
HSL	230°, 39%, 66%
HSV	230°, 34%, 79%
XYZ	30.3068, 29.1973, 59.9154
YIQ	147.3230, -25.1740, 15.7060

Conversions

Conversions Part 2

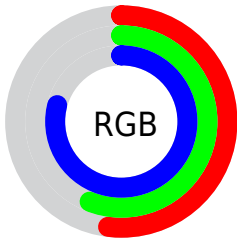
Format	Color
R_{YB}	133, 142, 202
Decimal	8753354
CIE _{Lab}	60.96, 9.88, -31.21
CIE _{LCh}	61, 32.738, 287.574
Yxy	29.1973, 0.2538, 0.2445
Android (android.graphics.Color)	4286943434 (0xFF8590CA)
YUV	147.3230, 26.9558, -12.5613
Hunter-Lab	54.0345, 5.5564, -27.9187

Details

The XYZ color **30.3068, 29.1973, 59.9154** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.2223, 51.5125, 29.6455**, and the grayscale version is **27.7670, 29.2130, 31.8130**.

A 20% lighter version of the original color is **58.9831, 58.2995, 102.7519**, and **12.7413, 11.8929, 29.6410** is the 20% darker color. If you saturate the color by 10%, you get **25.0378, 22.9466, 58.9871**, and if you desaturate by 10%, it is **36.5779, 36.5400, 61.0027**.

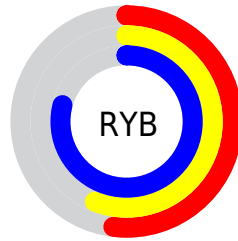
Distribution



Red (52%)

Green (56%)

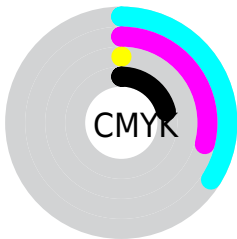
Blue (79%)



Red (52%)

Yellow (56%)

Blue (79%)

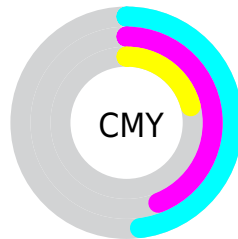


Cyan (34%)

Magenta (29%)

Yellow (0%)

Black (21%)



Cyan (48%)

Magenta (44%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3068, 29.1973, 59.9154 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 30.3068, 29.1973, 59.9154 by changing the saturation by 10% instead.

■ 30.3068, 29.1973,
59.9154

■ 30.3068, 29.1973,
59.9154

295.2161,
298.1447, 442.0818

■ 20.2208, 19.2301,
42.9256

■ 59.5303, 58.3904,
106.2491

■ 12.6648, 11.8367,
29.4958

■ 79.3986, 78.3851,
136.4301

■ 7.2736, 6.6326,
19.2074

■ 103.2583,
102.4912, 171.8452

■ 3.6816, 3.2334,
11.6419

131.4748,
131.0929, 212.9130

■ 1.5236, 1.2548,
6.3808

164.4135,
164.5747, 260.0520

■ 0.3418, 0.1058,
3.0055

202.4397,

■ 0.0000, 0.0000,

203.3211, 313.6808

1.0974

245.9188,
247.7163, 374.2179

■ 0.0000, 0.0000,
0.0000

■ 30.3068, 29.1973,
59.9154

■ 30.3068, 29.1973,
59.9154

■ 25.0378, 22.9466,
58.9871

■ 36.5779, 36.5400,
61.0027

■ 20.7155, 17.7319,
58.2084

■ 43.8966, 45.0204,
62.2538

■ 17.2833, 13.4973,
57.5719

■ 52.3094, 54.6856,
63.6760

■ 14.6776, 10.1801,
57.0690

■ 61.8590, 65.5789,
65.2753

■ 12.8258, 7.7100,
56.6898

■ 72.5858, 77.7417,
67.0576

■ 11.6420, 6.0058,
56.4232

■ 84.5282, 91.2132,
69.0284

■ 11.1827, 5.3083,
56.3128

■ 87.6608, 97.0443,
69.9888

Harmonies

Analogous

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



26.0204, 29.1973, 60.7540



30.3068, 29.1973, 59.9154



34.2690, 29.1973, 50.4557

Triad

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



30.3068, 29.1973, 59.9154



33.6717, 29.1973, 17.3922



20.4754, 29.1973, 26.9915

Complementary

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



30.3068, 29.1973, 59.9154



47.2223, 51.5125, 29.6455

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.



22.1171, 29.1973, 18.4113



30.3068, 29.1973, 59.9154



29.5570, 29.1973, 13.9027

Square

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



30.3068, 29.1973, 59.9154



36.3445, 29.1973, 25.2018



25.3434, 29.1973, 14.2203



20.6318, 29.1973, 39.4387

Rectangle

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



30.3068, 29.1973, 59.9154



36.0605, 29.1973, 41.6396



25.3434, 29.1973, 14.2203



20.8277, 29.1973, 23.6322

Sweetspot

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



30.3078, 29.1984, 59.9161



79.8220, 82.5587, 106.3361



40.1433, 50.9679, 56.7249



16.6607, 17.1826, 22.6884



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.3078, 29.1984, 59.9161



44.5508, 41.4271, 100.2559



32.7595, 28.1084, 59.5765



10.7438, 11.1280, 14.1520



7.2389, 3.5017, 36.2506



0.4201, 0.2739, 1.8857

Inverse Universe

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



37.7796, 31.3463, 30.4458



59.2042, 46.0109, 42.3765



43.9454, 53.5189, 30.2055



11.2840, 11.2424, 12.0304



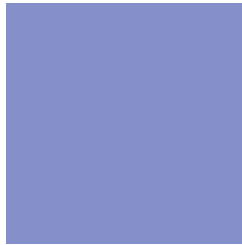
15.8647, 8.1565, 1.7405



0.8420, 0.4302, 0.2138

Previews

White Background



This preview shows how the XYZ color 30.3068, 29.1973, 59.9154 looks on a white background.

Color Contrast Check

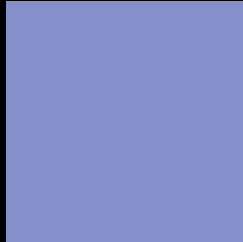
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3068, 29.1973, 59.9154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

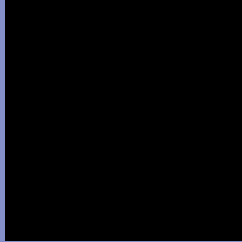
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3068, 29.1973, 59.9154

Background



This preview shows how black text looks on a background with the XYZ color 30.3068, 29.1973, 59.9154.



This preview shows how white text looks on a background with the XYZ color 30.3068, 29.1973,

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

30.3068, 29.1973, 59.9154

Protanopia

30.1108, 29.3084, 60.5700

Deuteranopia

29.9920, 29.2609, 59.9443



Tritanopia

25.9896, 29.0626, 38.8902

Trichromacy



Original Color

30.3068, 29.1973, 59.9154

Protanomaly

30.2650, 29.3879, 60.5772

Deuteranomaly

30.1461, 29.3404, 59.9515

Tritanomaly

27.2781, 28.8662, 45.7290

Monochromacy



Original Color

30.3068, 29.1973, 59.9154

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.4093, 29.0986, 40.6785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3068, 29.1973, 59.9154 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(133, 144, 202)` looks like.

```
.text, #text, p{  
    color:rgb(133, 144, 202)  
}
```

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(133, 144, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 144, 202) }
```

Border

The CSS property to change the border of an element to XYZ 30.3068, 29.1973, 59.9154 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(133, 144, 202) }
```


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

```
.border{ border-color:rgb(133, 144, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 144, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 144, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 144, 202);  
box-shadow:4px 4px 4px 4px rgb(133, 144,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3068, 29.1973, 59.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 144, 202) }
```

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

```
.background{ background-color: rgb(133,  
144, 202) }
```

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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