

Converting Colors

XYZ(31.1398, 31.1715, 59.7725)

Have a look what the booklet for
XYZ(31.1398, 31.1715, 59.7725)
contains.

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Color

**XYZ(31.1249, 31.2558,
59.6509)**

Conversions

Conversions Part 1

Format	Color
Hex	8497C9
RGB	132, 151, 201
RGB Percent	52%, 59%, 79%
CMY	0.4823, 0.4078, 0.2118
CMYK	0.34, 0.25, 0.00, 0.21
HSL	223°, 39%, 65%
HSV	223°, 34%, 79%
XYZ	31.1249, 31.2558, 59.6509
YIQ	151.0190, -27.3740, 11.5220

Conversions

Conversions Part 2

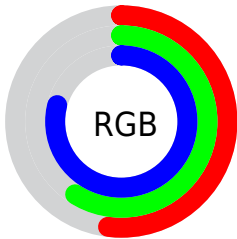
Format	Color
RYB	132, 147, 201
Decimal	8689609
CIELab	62.72, 5.31, -27.92
CIELCh	63, 28.421, 280.772
Yxy	31.2558, 0.2551, 0.2561
Android (android.graphics.Color)	4286879689 (0xFF8497C9)
YUV	151.0190, 24.6406, -16.6797
Hunter-Lab	55.9069, 1.5388, -24.1258

Details

The XYZ color **31.1249, 31.2558, 59.6509** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.9808, 47.5398, 28.6361**, and the grayscale version is **29.3307, 30.8581, 33.6045**.

A 20% lighter version of the original color is **60.3748, 61.4474, 103.2862**, and **13.1319, 12.9264, 29.4067** is the 20% darker color. If you saturate the color by 10%, you get **26.0784, 25.3874, 58.7847**, and if you desaturate by 10%, it is **37.0687, 38.0180, 60.6434**.

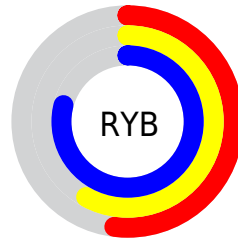
Distribution



Red (52%)

Green (59%)

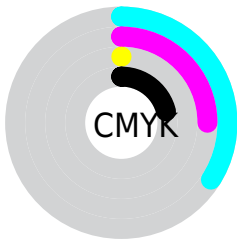
Blue (79%)



Red (52%)

Yellow (58%)

Blue (79%)

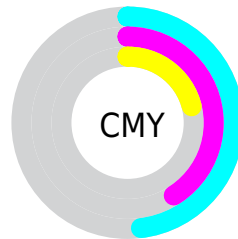


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (21%)



Cyan (48%)

Magenta (41%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1249, 31.2558, 59.6509 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 31.1249, 31.2558, 59.6509 by changing the saturation by 10% instead.

■ 31.1249, 31.2558,
59.6509

■ 31.1249, 31.2558,
59.6509

298.9299,
307.7151, 441.0787

■ 20.8463, 20.7937,
42.7139

■ 60.8112, 61.6426,
105.8615

■ 13.1235, 12.9733,
29.3309

■ 80.9495, 82.3361,
135.9721

■ 7.5912, 7.4102,
19.0836

■ 105.1051,
107.2088, 171.3110

■ 3.8841, 3.7199,
11.5533

133.6434,
136.6452, 212.2968

■ 1.6368, 1.5181,
6.3214

166.9297,
171.0296, 259.3479

■ 0.4162, 0.3015,
2.9696

205.3293,

■ 0.0000, 0.0000,

210.7465, 312.8828

1.0791

249.2076,
256.1801, 373.3203

■ 0.0000, 0.0000,
0.0000

■ 31.1249, 31.2558,
59.6509

■ 31.1249, 31.2558,
59.6509

■ 26.0784, 25.3874,
58.7847

■ 37.0687, 38.0180,
60.6434

■ 21.8806, 20.3701,
58.0375

■ 43.9487, 45.7070,
61.7649

■ 18.4829, 16.1631,
57.4046

■ 51.8053, 54.3582,
63.0207

■ 15.8303, 12.7203,
56.8798

■ 60.6755, 64.0043,
64.4151

■ 13.8601, 9.9903,
56.4568

■ 70.5945, 74.6762,
65.9522

■ 12.4977, 7.9143,
56.1278

■ 81.5956, 86.4037,
67.6360

■ 11.9256, 6.9829,
55.9782

■ 86.8949, 95.7014,
69.1513

■ 87.5427, 96.9971,
69.3673

Harmonies

Analogous

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



27.3165, 31.2558, 58.4728



31.1249, 31.2558, 59.6509



34.8542, 31.2558, 52.9259

Triad

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



31.1249, 31.2558, 59.6509



35.7271, 31.2558, 21.8929



23.2020, 31.2558, 27.4661

Complementary

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



31.1249, 31.2558, 59.6509



44.9808, 47.5398, 28.6361

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.



25.0945, 31.2558, 20.2736



31.1249, 31.2558, 59.6509



32.2345, 31.2558, 17.5741

Square

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



31.1249, 31.2558, 59.6509



37.6610, 31.2558, 30.1907



28.3342, 31.2558, 17.0542



22.9612, 31.2558, 38.1866

Rectangle

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



31.1249, 31.2558, 59.6509



36.7100, 31.2558, 45.5748



28.3342, 31.2558, 17.0542



23.6578, 31.2558, 24.6243

Sweetspot

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



31.1259, 31.2570, 59.6516



80.6689, 84.2523, 106.6184



38.7899, 50.0342, 51.5724



16.8641, 17.5895, 22.7562



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.



31.1259, 31.2570, 59.6516



46.8790, 46.0834, 101.0319



30.8184, 26.9190, 58.8305



10.2905, 10.7550, 13.4510



7.5649, 4.5238, 35.2188



0.4206, 0.3390, 1.6884

Inverse Universe

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



37.9254, 31.1553, 33.2941



60.3793, 46.4810, 48.5648



45.3141, 53.8853, 29.8433



10.7519, 10.6841, 11.6767



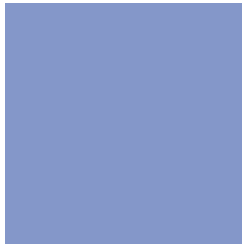
15.6178, 7.9967, 3.1970



0.7710, 0.3912, 0.3172

Previews

White Background



This preview shows how the XYZ color 31.1249, 31.2558, 59.6509 looks on a white background.

Color Contrast Check

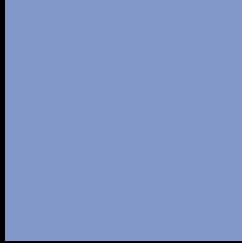
Large Text (above 18pt) WCAG AA × Fail

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 31.1249, 31.2558, 59.6509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

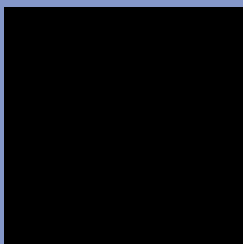
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

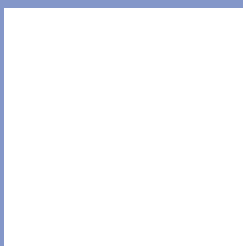
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1249, 31.2558, 59.6509

Background



This preview shows how black text looks on a background with the XYZ color 31.1249, 31.2558, 59.6509.



This preview shows how white text looks on a background with the XYZ color 31.1249, 31.2558,

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

31.1249, 31.2558, 59.6509

Protanopia

31.8129, 31.3861, 59.0250

Deuteranopia

31.9375, 31.2009, 59.5974



Tritanopia

27.6758, 31.3385, 42.1264

Trichromacy



Original Color

31.1249, 31.2558, 59.6509

Protanomaly

31.4850, 31.2171, 59.0096

Deuteranomaly

31.6023, 31.2640, 59.6273

Tritanomaly

28.9639, 31.3681, 48.2441

Monochromacy



Original Color

31.1249, 31.2558, 59.6509

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7296, 30.9271, 41.9387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1249, 31.2558, 59.6509 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(132, 151, 201)` looks like.

```
.text, #text, p{  
    color:rgb(132, 151, 201)  
}
```

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(132, 151, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 151, 201) }
```

Border

The CSS property to change the border of an element to XYZ 31.1249, 31.2558, 59.6509 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(132, 151, 201) }
```


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

```
.border{ border-color:rgb(132, 151, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 151, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 151, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 151, 201);  
box-shadow:4px 4px 4px 4px rgb(132, 151,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1249, 31.2558, 59.6509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 151, 201) }
```

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

```
.background{ background-color: rgb(132,  
151, 201) }
```

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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