

Converting Colors

XYZ(29.4898, 31.8716, 49.7261)

Have a look what the booklet for
XYZ(29.4898, 31.8716, 49.7261)
contains.

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Color

**XYZ(29.5935, 31.9048,
49.9459)**

Conversions

Conversions Part 1

Format	Color
Hex	819CB8
RGB	129, 156, 184
RGB Percent	51%, 61%, 72%
CMY	0.4941, 0.3882, 0.2784
CMYK	0.30, 0.15, 0.00, 0.28
HSL	211°, 28%, 61%
HSV	211°, 30%, 72%
XYZ	29.5935, 31.9048, 49.9459
YIQ	151.1190, -25.0800, 2.9840

Conversions

Conversions Part 2

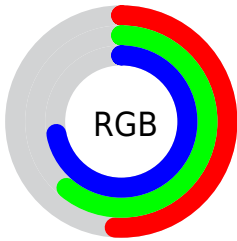
Format	Color
R _Y B	129, 147, 184
Decimal	8494264
CIE Lab	63.26, -2.77, -17.58
CIE LCh	63, 17.799, 261.054
Yxy	31.9048, 0.2655, 0.2863
Android (android.graphics.Color)	4286684344 (0xFF819CB8)
YUV	151.1190, 16.2103, -19.3984
Hunter-Lab	56.4843, -5.3271, -12.8878

Details

The XYZ color **29.5935, 31.9048, 49.9459** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.7871, 35.8896, 25.8110**, and the grayscale version is **29.4077, 30.9391, 33.6927**.

A 20% lighter version of the original color is **58.3032, 62.4517, 91.4196**, and **12.2902, 13.3615, 23.4040** is the 20% darker color. If you saturate the color by 10%, you get **25.5347, 27.5690, 49.3235**, and if you desaturate by 10%, it is **34.2788, 36.7450, 50.6338**.

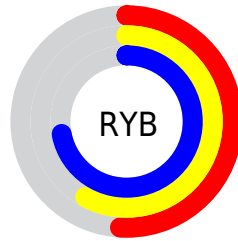
Distribution



Red (51%)

Green (61%)

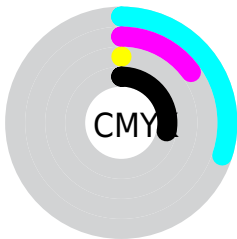
Blue (72%)



Red (51%)

Yellow (58%)

Blue (72%)

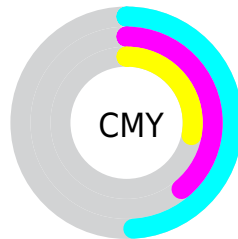


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (39%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5935, 31.9048, 49.9459 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 29.5935, 31.9048, 49.9459 by changing the saturation by 10% instead.

■ 29.5935, 31.9048,
49.9459

■ 29.5935, 31.9048,
49.9459

291.9490,
310.6854, 403.1833

■ 19.6768, 21.2888,
34.9995

■ 58.4098, 62.6618,
91.4902

■ 12.2672, 13.3353,
23.3790

■ 78.0401, 83.5716,
118.9252

■ 6.9994, 7.6598,
14.6657

■ 101.6389,
108.6815, 151.3602

■ 3.5081, 3.8781,
8.4411

129.5717,
138.3758, 189.2136

■ 1.4278, 1.6056,
4.2867

162.2037,
173.0389, 232.9042

■ 0.2759, 0.3614,
1.7839

199.9003,

■ 0.0000, 0.0000,

213.0553, 282.8502

0.4173

243.0270,
258.8093, 339.4705

■ 0.0000, 0.0000,
0.0000

■ 29.5935, 31.9048,
49.9459

■ 29.5935, 31.9048,
49.9459

■ 25.5347, 27.5690,
49.3235

■ 34.2788, 36.7450,
50.6338

■ 22.0697, 23.7145,
48.7621

■ 39.6152, 42.1041,
51.3869

■ 19.1671, 20.3217,
48.2602

■ 45.6297, 48.0003,
52.2080

■ 16.7912, 17.3677,
47.8153

■ 52.3467, 54.4500,
53.0989

■ 14.9015, 14.8274,
47.4245

■ 59.7892, 61.4686,
54.0613

■ 13.4509, 12.6716,
47.0849

■ 67.9794, 69.0710,
55.0971

■ 12.3473, 10.8480,
46.7910

■ 75.8994, 76.7359,
56.1591

■ 12.3361, 10.8292,
46.7880

■ 78.4505, 81.8380,
57.0095

■ 81.1418, 87.2207,
57.9066

Harmonies

Analogous

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



27.4419, 31.9048, 46.4006



29.5935, 31.9048, 49.9459



32.0592, 31.9048, 49.0079

Triad

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



29.5935, 31.9048, 49.9459



34.9660, 31.9048, 30.0874



26.7859, 31.9048, 26.8864

Complementary

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



29.5935, 31.9048, 49.9459



35.7871, 35.8896, 25.8110

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.



28.6536, 31.9048, 23.5491



29.5935, 31.9048, 49.9459



33.4023, 31.9048, 25.2158

Square

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



29.5935, 31.9048, 49.9459



35.2513, 31.9048, 36.8927



31.0676, 31.9048, 22.9819



25.8797, 31.9048, 32.6706

Rectangle

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



29.5935, 31.9048, 49.9459



33.5449, 31.9048, 46.0125



31.0676, 31.9048, 22.9819



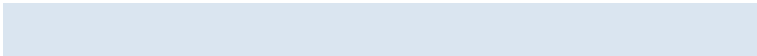
27.3172, 31.9048, 25.4758

Sweetspot

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



29.5945, 31.9061, 49.9466



72.5764, 77.0811, 93.2576



32.2377, 41.3661, 37.9611



15.3251, 16.2988, 20.0599



88.6918, 93.3107, 101.6153



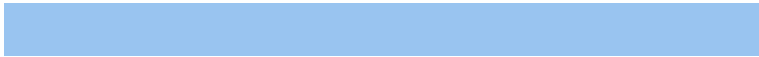
17.8044, 18.7317, 20.3988

Same Dimension

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



29.5945, 31.9061, 49.9466



48.5861, 52.4624, 89.7701



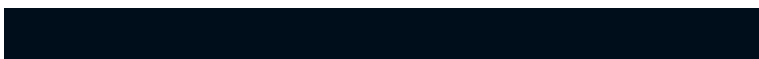
25.5561, 23.8293, 48.6005



8.8753, 9.4279, 11.4314



8.5723, 7.6043, 32.2690



0.3642, 0.3920, 1.1582

Inverse Universe

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



33.6190, 28.2921, 35.1429



57.2294, 45.3642, 57.8282



40.8707, 46.0569, 27.5056



9.1834, 9.0837, 10.3133



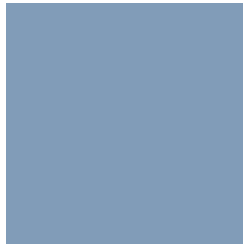
14.9406, 7.5500, 7.5740



0.5580, 0.2787, 0.4317

Previews

White Background



This preview shows how the XYZ color 29.5935, 31.9048, 49.9459 looks on a white background.

Color Contrast Check

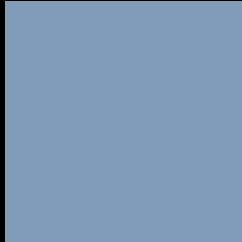
Large Text (above 18pt) WCAG AA × Fail

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 29.5935, 31.9048, 49.9459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

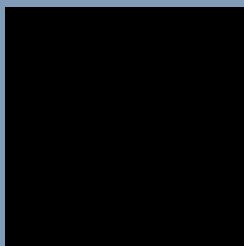
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

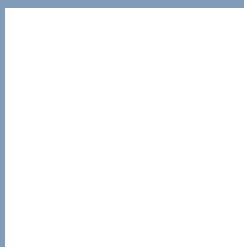
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5935, 31.9048, 49.9459

Background



This preview shows how black text looks on a background with the XYZ color 29.5935, 31.9048, 49.9459.



This preview shows how white text looks on a background with the XYZ color 29.5935, 31.9048,

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

29.5935, 31.9048, 49.9459

Protanopia

31.4397, 31.6725, 48.1724

Deuteranopia

32.2669, 31.5770, 50.2933



Tritanopia

28.1817, 31.8296, 43.1865

Trichromacy



Original Color

29.5935, 31.9048, 49.9459

Protanomaly

30.6499, 31.7353, 48.7661

Deuteranomaly

31.3129, 31.7989, 50.3864

Tritanomaly

28.6458, 31.7606, 45.6949

Monochromacy



Original Color

29.5935, 31.9048, 49.9459

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.3298, 31.2664, 39.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5935, 31.9048, 49.9459 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(129, 156, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 156, 184)  
}
```

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(129, 156, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 156, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.5935, 31.9048, 49.9459 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(129, 156, 184) }
```


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

```
.border{ border-color:rgb(129, 156, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 156, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 156, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 156, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 156,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5935, 31.9048, 49.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 156, 184) }
```

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

```
.background{ background-color: rgb(129,  
156, 184) }
```

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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