

Converting Colors

XYZ(29.8059, 31.1106, 59.6934)

Have a look what the booklet for
XYZ(29.8059, 31.1106, 59.6934)
contains.

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Color

**XYZ(29.8190, 31.0645,
59.6828)**

Conversions

Conversions Part 1

Format	Color
Hex	7999C9
RGB	121, 153, 201
RGB Percent	47%, 60%, 79%
CMY	0.5255, 0.4000, 0.2118
CMYK	0.40, 0.24, 0.00, 0.21
HSL	216°, 43%, 63%
HSV	216°, 40%, 79%
XYZ	29.8190, 31.0645, 59.6828
YIQ	148.9040, -34.4800, 8.1440

Conversions

Conversions Part 2

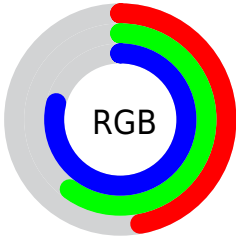
Format	Color
R_{YB}	121, 144, 201
Decimal	7969225
CIE Lab	62.56, 1.12, -28.23
CIE LCh	63, 28.249, 272.266
Yxy	31.0645, 0.2473, 0.2577
Android (android.graphics.Color)	4286159305 (0xFF7999C9)
YUV	148.9040, 25.6833, -24.4718
Hunter-Lab	55.7355, -2.0381, -24.4741

Details

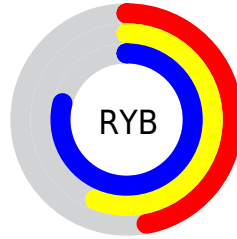
The XYZ color **29.8190, 31.0645, 59.6828** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.7273, 42.1746, 24.0314**, and the grayscale version is **28.4335, 29.9142, 32.5766**.

A 20% lighter version of the original color is **58.2673, 61.0758, 103.3255**, and **12.4017, 12.8383, 29.4282** is the 20% darker color. If you saturate the color by 10%, you get **25.4152, 26.0111, 58.9401**, and if you desaturate by 10%, it is **35.0113, 36.8218, 60.5210**.

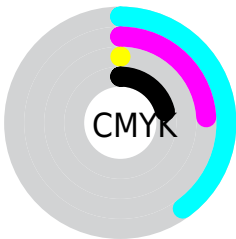
Distribution



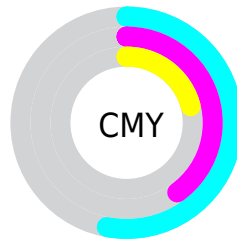
- Red (47%)
- Green (60%)
- Blue (79%)



- Red (47%)
- Yellow (56%)
- Blue (79%)



- Cyan (40%)
- Magenta (24%)
- Yellow (0%)
- Black (21%)



- Cyan (53%)
- Magenta (40%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8190, 31.0645, 59.6828 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 29.8190, 31.0645, 59.6828 by changing the saturation by 10% instead.

■ 29.8190, 31.0645,
59.6828

■ 29.8190, 31.0645,
59.6828

292.9848,
306.8354, 441.1997

■ 19.8486, 20.6480,
42.7394

■ 58.7644, 61.3416,
105.9083

■ 12.3927, 12.8669,
29.3508

■ 78.4702, 81.9710,
136.0274

■ 7.0858, 7.3370,
19.0985

■ 102.1518,
106.7734, 171.3755

■ 3.5626, 3.6737,
11.5639

130.1746,
136.1333, 212.3711

■ 1.4578, 1.4928,
6.3286

162.9039,
170.4350, 259.4328

■ 0.2969, 0.2836,
2.9739

200.7052,

■ 0.0000, 0.0000,

210.0630, 312.9791

1.0813

243.9437,
255.4017, 373.4286

■ 0.0000, 0.0000,
0.0000

■ 29.8190, 31.0645,
59.6828

■ 29.8190, 31.0645,
59.6828

■ 25.4152, 26.0111,
58.9401

■ 35.0113, 36.8218,
60.5210

■ 21.7541, 21.6275,
58.2869

■ 41.0281, 43.3081,
61.4558

■ 18.7897, 17.8812,
57.7200

■ 47.9069, 50.5514,
62.4914

■ 16.4689, 14.7354,
57.2351

■ 55.6820, 58.5771,
63.6307

■ 14.7299, 12.1479,
56.8274

■ 64.3855, 67.4092,
64.8767

■ 13.4638, 10.0517,
56.4895

■ 74.0481, 77.0709,
66.2324

■ 13.4409, 10.0134,
56.4833

■ 82.1893, 86.2903,
67.5828

■ 85.8077, 93.5269,
68.7889

■ 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.



26.2189, 31.0645, 56.2258



29.8190, 31.0645, 59.6828



33.6490, 31.0645, 55.0598

Triad

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



29.8190, 31.0645, 59.6828



36.2253, 31.0645, 23.7375



23.4565, 31.0645, 24.9005

Complementary

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



29.8190, 31.0645, 59.6828



41.7273, 42.1746, 24.0314

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.



25.7541, 31.0645, 18.8995



29.8190, 31.0645, 59.6828



33.0999, 31.0645, 18.3376

Square

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



29.8190, 31.0645, 59.6828



37.5420, 31.0645, 32.9941



29.2347, 31.0645, 16.7785



22.7407, 31.0645, 34.6676

Rectangle

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



29.8190, 31.0645, 59.6828



35.7639, 31.0645, 48.4988



29.2347, 31.0645, 16.7785



24.0590, 31.0645, 22.4553

Sweetspot

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



29.8200, 31.0657, 59.6835



79.0947, 83.4915, 106.5545



35.8095, 48.6537, 44.3879



16.5872, 17.5117, 22.7558



0.0000, 0.0000, 0.0000



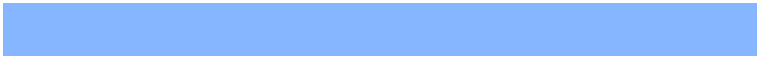
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8200, 31.0657, 59.6835



44.2980, 45.4504, 101.0458



26.2330, 22.4562, 58.2108



10.3991, 10.9722, 13.4872



8.5353, 6.4645, 35.5423



0.4747, 0.4472, 1.7064

Inverse Universe

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



36.6754, 28.3932, 33.6857



57.9710, 41.2850, 48.9318



46.6723, 54.6679, 26.1823



10.8067, 10.7061, 11.9654



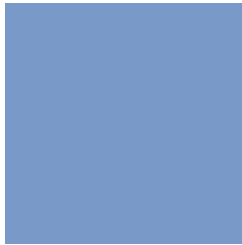
16.1075, 8.1926, 5.7762



0.7983, 0.4022, 0.4611

Previews

White Background



This preview shows how the XYZ color 29.8190, 31.0645, 59.6828 looks on a white background.

Color Contrast Check

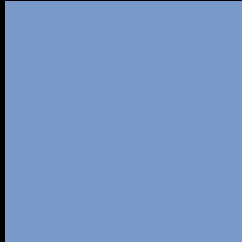
Large Text (above 18pt) WCAG AA × Fail

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 29.8190, 31.0645, 59.6828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

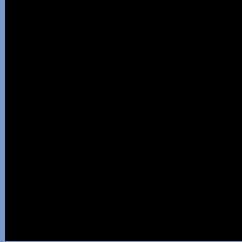
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

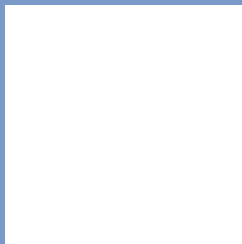
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8190, 31.0645, 59.6828

Background



This preview shows how black text looks on a background with the XYZ color 29.8190, 31.0645, 59.6828.



This preview shows how white text looks on a background with the XYZ color 29.8190, 31.0645,

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

29.8190, 31.0645, 59.6828

Protanopia

31.4217, 30.9754, 57.7488

Deuteranopia

31.7246, 31.0775, 60.2036



Tritanopia

26.3876, 30.9047, 43.1025

Trichromacy



Original Color

29.8190, 31.0645, 59.6828

Protanomaly

30.7309, 30.8417, 58.3662

Deuteranomaly

30.9271, 30.9023, 60.2118

Tritanomaly

27.5344, 30.8673, 48.7627

Monochromacy



Original Color

29.8190, 31.0645, 59.6828

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6217, 30.1288, 41.3527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8190, 31.0645, 59.6828 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(121, 153, 201)` looks like.

```
.text, #text, p{  
    color:rgb(121, 153, 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(121, 153, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 153, 201) }
```

Border

The CSS property to change the border of an element to XYZ 29.8190, 31.0645, 59.6828 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(121, 153, 201) }
```


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

```
.border{ border-color:rgb(121, 153, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 153, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 153, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 153, 201);  
box-shadow:4px 4px 4px 4px rgb(121, 153,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8190, 31.0645, 59.6828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 153, 201) }
```

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

```
.background{ background-color: rgb(121,  
153, 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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