

Converting Colors

XYZ(29.6516, 31.7902, 60.0121)

Have a look what the booklet for
XYZ(29.6516, 31.7902, 60.0121)
contains.

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Color

**XYZ(29.5013, 31.6388,
59.8104)**

Conversions

Conversions Part 1

Format	Color
Hex	739CC9
RGB	115, 156, 201
RGB Percent	45%, 61%, 79%
CMY	0.5490, 0.3882, 0.2118
CMYK	0.43, 0.22, 0.00, 0.21
HSL	211°, 44%, 62%
HSV	211°, 43%, 79%
XYZ	29.5013, 31.6388, 59.8104
YIQ	148.8710, -38.8810, 5.3030

Conversions

Conversions Part 2

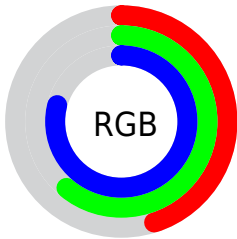
Format	Color
RYB	115, 143, 201
Decimal	7576777
CIELab	63.04, -2.17, -27.51
CIElCh	63, 27.599, 265.495
Yxy	31.6388, 0.2439, 0.2616
Android (android.graphics.Color)	4285766857 (0xFF739CC9)
YUV	148.8710, 25.6996, -29.7049
Hunter-Lab	56.2484, -4.8145, -23.6708

Details

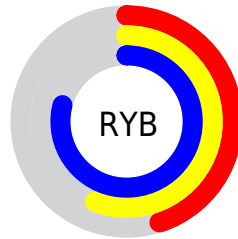
The XYZ color **29.5013, 31.6388, 59.8104** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.7536, 38.7979, 21.6143**, and the grayscale version is **28.4209, 29.9010, 32.5622**.

A 20% lighter version of the original color is **57.6742, 61.8592, 103.5080**, and **12.2425, 13.2018, 29.5067** is the 20% darker color. If you saturate the color by 10%, you get **25.4517, 27.0442, 59.1376**, and if you desaturate by 10%, it is **34.2821, 36.8385, 60.5626**.

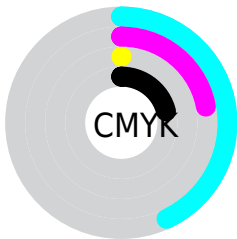
Distribution



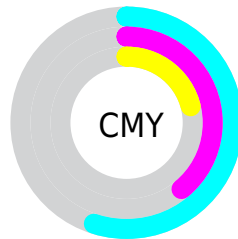
- Red (45%)
- Green (61%)
- Blue (79%)



- Red (45%)
- Yellow (56%)
- Blue (79%)



- Cyan (43%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)



- Cyan (55%)
- Magenta (39%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5013, 31.6388, 59.8104 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 29.5013, 31.6388, 59.8104 by changing the saturation by 10% instead.

■ 29.5013, 31.6388,
59.8104

■ 29.5013, 31.6388,
59.8104

291.5247,
309.4706, 441.6838

■ 19.6066, 21.0858,
42.8415

■ 58.2647, 62.2444,
106.0953

■ 12.2160, 13.1867,
29.4303

■ 77.8640, 83.0658,
136.2483

■ 6.9642, 7.5572,
19.1582

■ 101.4289,
108.0787, 171.6332

■ 3.4858, 3.8130,
11.6067

129.3248,
137.6676, 212.6685

■ 1.4156, 1.5695,
6.3572

161.9169,
172.2168, 259.7726

■ 0.2673, 0.3369,
2.9912

199.5707,

■ 0.0000, 0.0000,

212.1108, 313.3642

1.0901

242.6515,
257.7339, 373.8617

■ 0.0000, 0.0000,
0.0000

■ 29.5013, 31.6388,
59.8104

■ 29.5013, 31.6388,
59.8104

■ 25.4517, 27.0442,
59.1376

■ 34.2821, 36.8385,
60.5626

■ 22.0885, 23.0240,
58.5388

■ 39.8290, 42.6649,
61.3949

■ 19.3663, 19.5494,
58.0117

■ 46.1785, 49.1428,
62.3106

■ 17.2322, 16.5870,
57.5523

■ 53.3636, 56.2944,
63.3123

■ 15.6234, 14.0979,
57.1567

■ 61.4153, 64.1405,
64.4024

■ 14.7098, 12.5512,
56.9063

■ 70.3631, 72.7013,
65.5832

■ 79.9752, 81.8621,
66.8448

■ 82.9847, 87.8810,
67.8479

■ 86.1737, 94.2590,
68.9109

Harmonies

Analogous

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



26.1189, 31.6388, 54.7355



29.5013, 31.6388, 59.8104



33.3283, 31.6388, 57.0049

Triad

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



29.5013, 31.6388, 59.8104



37.1623, 31.6388, 26.2030



24.4424, 31.6388, 23.9011

Complementary

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



29.5013, 31.6388, 59.8104



39.7536, 38.7979, 21.6143

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.



27.0345, 31.6388, 18.8004



29.5013, 31.6388, 59.8104



34.4045, 31.6388, 19.9199

Square

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



29.5013, 31.6388, 59.8104



37.9614, 31.6388, 36.1197



30.6495, 31.6388, 17.5132



23.3587, 31.6388, 32.8312

Rectangle

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



29.5013, 31.6388, 59.8104



35.5907, 31.6388, 51.3019



30.6495, 31.6388, 17.5132



25.1550, 31.6388, 21.7622

Sweetspot

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



29.5024, 31.6400, 59.8112



78.6022, 83.6738, 106.6156



34.2535, 47.9372, 40.4469



16.2799, 17.3594, 22.7426



0.0000, 0.0000, 0.0000



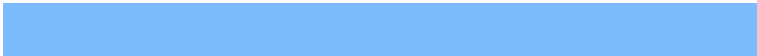
20.3446, 21.4041, 23.3091

Same Dimension

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



29.5024, 31.6400, 59.8112



44.2601, 47.0960, 101.3654



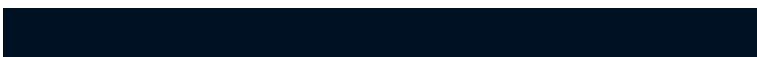
23.9346, 20.2224, 57.9008



10.4668, 11.1077, 13.5098



9.3394, 8.0726, 35.8103



0.5146, 0.5271, 1.7198

Inverse Universe

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



36.2198, 27.0803, 34.7717



57.5317, 39.5003, 51.5782



47.6857, 55.2316, 24.3682



10.8409, 10.7197, 12.1454



16.5134, 8.3549, 7.9134



0.8185, 0.4102, 0.5672

Previews

White Background



This preview shows how the XYZ color 29.5013, 31.6388, 59.8104 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 29.5013, 31.6388, 59.8104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

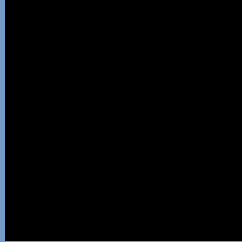
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5013, 31.6388, 59.8104

Background



This preview shows how black text looks on a background with the XYZ color 29.5013, 31.6388, 59.8104.

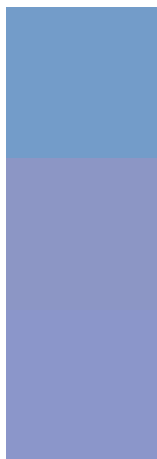


This preview shows how white text looks on a background with the XYZ color 29.5013, 31.6388,

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

29.5013, 31.6388, 59.8104

Protanopia

31.7996, 31.4194, 57.2118

Deuteranopia

32.2145, 31.5659, 60.2721



Tritanopia

26.5692, 31.7339, 44.7693

Trichromacy



Original Color

29.5013, 31.6388, 59.8104

Protanomaly

30.7814, 31.3590, 57.8566

Deuteranomaly

31.0948, 31.4666, 60.3119

Tritanomaly

27.6054, 31.6365, 49.9989

Monochromacy



Original Color

29.5013, 31.6388, 59.8104

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6126, 30.6020, 41.4445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5013, 31.6388, 59.8104 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(115, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(115, 156, 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(115, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 156, 201) }
```

Border

The CSS property to change the border of an element to XYZ 29.5013, 31.6388, 59.8104 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(115, 156, 201) }
```


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

```
.border{ border-color:rgb(115, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(115, 156,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5013, 31.6388, 59.8104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 156, 201) }
```

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

```
.background{ background-color: rgb(115,  
156, 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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