

Converting Colors

XYZ(30.2409, 31.3535, 63.6631)

Have a look what the booklet for
XYZ(30.2409, 31.3535, 63.6631)
contains.

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Color

**XYZ(30.2893, 31.4677,
63.5089)**

Conversions

Conversions Part 1

Format	Color
Hex	769ACF
RGB	118, 154, 207
RGB Percent	46%, 60%, 81%
CMY	0.5372, 0.3961, 0.1882
CMYK	0.43, 0.26, 0.00, 0.19
HSL	216°, 48%, 64%
HSV	216°, 43%, 81%
XYZ	30.2893, 31.4677, 63.5089
YIQ	149.2780, -38.4690, 8.8510

Conversions

Conversions Part 2

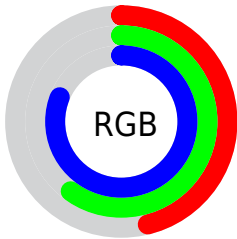
Format	Color
R _Y B	118, 144, 207
Decimal	7772879
CIE Lab	62.90, 1.43, -31.07
CIE LCh	63, 31.102, 272.644
Yxy	31.4677, 0.2418, 0.2512
Android (android.graphics.Color)	4285962959 (0xFF769ACF)
YUV	149.2780, 28.4569, -27.4308
Hunter-Lab	56.0961, -1.7864, -27.8576

Details

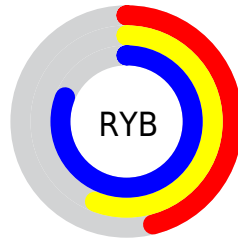
The XYZ color **30.2893, 31.4677, 63.5089** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.5660, 43.7005, 23.2797**, and the grayscale version is **28.5805, 30.0689, 32.7450**.

A 20% lighter version of the original color is **57.8395, 61.2160, 103.3751**, and **12.6321, 13.0575, 31.5603** is the 20% darker color. If you saturate the color by 10%, you get **25.8496, 26.3127, 62.7485**, and if you desaturate by 10%, it is **35.5569, 37.3610, 64.3694**.

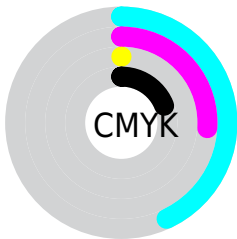
Distribution



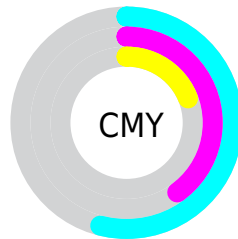
- Red (46%)
- Green (60%)
- Blue (81%)



- Red (46%)
- Yellow (56%)
- Blue (81%)



- Cyan (43%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (54%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2893, 31.4677, 63.5089 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 30.2893, 31.4677, 63.5089 by changing the saturation by 10% instead.

■ 30.2893, 31.4677,
63.5089

■ 30.2893, 31.4677,
63.5089

295.1363,
308.6873, 455.5727

■ 20.2074, 20.9552,
45.8094

■ 59.5029, 61.9757,
111.4960

■ 12.6551, 13.0913,
31.7479

■ 79.3653, 82.7400,
142.6207

■ 7.2668, 7.4914,
20.9058

■ 103.2186,
107.6904, 179.0575

■ 3.6773, 3.7713,
12.8646

131.4282,
137.2112, 221.2251

■ 1.5213, 1.5465,
7.2057

164.3595,
171.6870, 269.5418

■ 0.3402, 0.3211,
3.5107

202.3776,

■ 0.0000, 0.0000,

211.5019, 324.4263

1.3609

245.8481,
257.0406, 386.2971

■ 0.0000, 0.0000,
0.1110

■ 0.0000, 0.0000,
0.0000

■ 30.2893, 31.4677,
63.5089

■ 30.2893, 31.4677,
63.5089

■ 25.8496, 26.3127,
62.7485

■ 35.5569, 37.3610,
64.3694

■ 22.1875, 21.8588,
62.0818

■ 41.6924, 44.0201,
65.3313

■ 19.2519, 18.0705,
61.5053

■ 48.7366, 51.4754,
66.3991

■ 16.9831, 14.9068,
61.0142

■ 56.7269, 59.7543,
67.5759

■ 15.3106, 12.3205,
60.6032

■ 65.6985, 68.8830,
68.8651

■ 14.4120, 10.8038,
60.3578

■ 75.6847, 78.8862,
70.2696

■ 83.7488, 88.2574,
71.6534

■ 87.5078, 95.7755,
72.9064

■ 88.2626, 97.2850,
73.1580

Harmonies

Analogous

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



26.2946, 31.4677, 59.6615



30.2893, 31.4677, 63.5089



34.5575, 31.4677, 58.1058

Triad

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



30.2893, 31.4677, 63.5089



37.3645, 31.4677, 23.0851



23.1968, 31.4677, 24.5588

Complementary

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



30.2893, 31.4677, 63.5089



43.5660, 43.7005, 23.2797

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.



25.6974, 31.4677, 18.0395



30.2893, 31.4677, 63.5089



33.8405, 31.4677, 17.3417

Square

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



30.2893, 31.4677, 63.5089



38.8779, 31.4677, 33.1901



29.5321, 31.4677, 15.7405



22.4380, 31.4677, 35.3587

Rectangle

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



30.2893, 31.4677, 63.5089



36.9175, 31.4677, 50.5921



29.5321, 31.4677, 15.7405



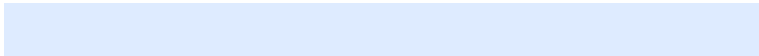
23.8490, 31.4677, 21.8902

Sweetspot

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



30.2904, 31.4689, 63.5097



77.9108, 82.2909, 106.3851



37.0328, 51.3771, 45.9550



16.1098, 17.0192, 22.6859



0.0000, 0.0000, 0.0000



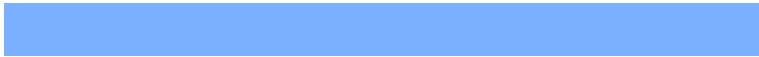
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2904, 31.4689, 63.5097



41.6650, 42.4513, 100.6057



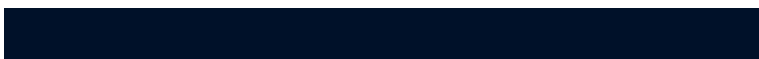
26.2605, 21.8546, 61.8663



11.5506, 12.1915, 14.9881



9.1676, 6.9817, 38.0569



0.5896, 0.5444, 2.1536

Inverse Universe

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



38.0442, 28.5566, 34.0797



56.0887, 38.4135, 45.5509



49.2919, 58.1564, 25.7682



12.0041, 11.8864, 13.2972



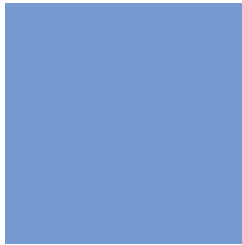
17.2581, 8.7761, 6.2653



1.0038, 0.5062, 0.5550

Previews

White Background



This preview shows how the XYZ color 30.2893, 31.4677, 63.5089 looks on a white background.

Color Contrast Check

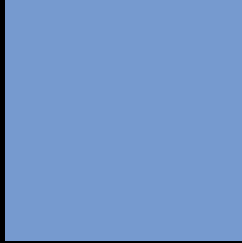
Large Text (above 18pt) WCAG AA × Fail

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 30.2893, 31.4677, 63.5089 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

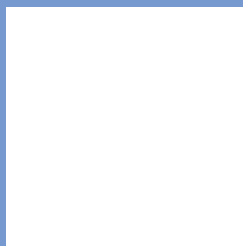
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2893, 31.4677, 63.5089

Background



This preview shows how black text looks on a background with the XYZ color 30.2893, 31.4677, 63.5089.



This preview shows how white text looks on a background with the XYZ color 30.2893, 31.4677,

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

30.2893, 31.4677, 63.5089

Protanopia

31.9588, 31.4066, 61.5044

Deuteranopia

32.1230, 31.4351, 64.0490



Tritanopia

26.4203, 31.4100, 44.2054

Trichromacy



Original Color

30.2893, 31.4677, 63.5089

Protanomaly

31.1393, 31.2081, 62.1402

Deuteranomaly

31.3539, 31.2765, 64.0589

Tritanomaly

27.6659, 31.4012, 50.5018

Monochromacy



Original Color

30.2893, 31.4677, 63.5089

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8035, 30.4388, 42.3874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2893, 31.4677, 63.5089 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(118, 154, 207)` looks like.

```
.text, #text, p{  
    color:rgb(118, 154, 207)  
}
```

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(118, 154, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 154, 207) }
```

Border

The CSS property to change the border of an element to XYZ 30.2893, 31.4677, 63.5089 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(118, 154, 207) }
```


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

```
.border{ border-color:rgb(118, 154, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 154, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 154, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 154, 207);  
box-shadow:4px 4px 4px 4px rgb(118, 154,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2893, 31.4677, 63.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 154, 207) }
```

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

```
.background{ background-color: rgb(118,  
154, 207) }
```

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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