

Converting Colors

XYZ(31.4667, 29.5761, 78.8401)

Have a look what the booklet for
XYZ(31.4667, 29.5761, 78.8401)
contains.

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Color

**XYZ(31.4786, 29.6088,
78.9189)**

Conversions

Conversions Part 1

Format	Color
Hex	7391E6
RGB	115, 145, 230
RGB Percent	45%, 57%, 90%
CMY	0.5490, 0.4314, 0.0980
CMYK	0.50, 0.37, 0.00, 0.10
HSL	224°, 70%, 68%
HSV	224°, 50%, 90%
XYZ	31.4786, 29.6088, 78.9189
YIQ	145.7200, -45.1650, 20.0750

Conversions

Conversions Part 2

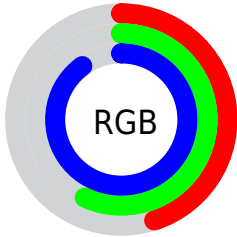
Format	Color
RYB	115, 139, 230
Decimal	7573990
CIELab	61.32, 12.68, -46.35
CIELCh	61, 48.055, 285.300
Yxy	29.6088, 0.2248, 0.2115
Android (android.graphics.Color)	4285764070 (0xFF7391E6)
YUV	145.7200, 41.5500, -26.9414
Hunter-Lab	54.4140, 8.0382, -47.9010

Details

The XYZ color **31.4786, 29.6088, 78.9189** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.3836, 59.3718, 24.7095**, and the grayscale version is **27.0569, 28.4659, 30.9994**.

A 20% lighter version of the original color is **55.4867, 56.8375, 102.6540**, and **13.3077, 12.0526, 41.6694** is the 20% darker color. If you saturate the color by 10%, you get **26.4166, 23.4275, 77.9932**, and if you desaturate by 10%, it is **37.6860, 36.9585, 80.0110**.

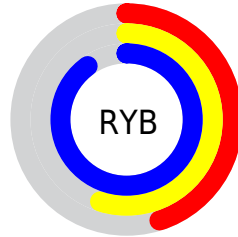
Distribution



Red (45%)

Green (57%)

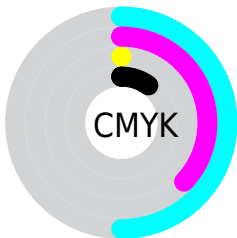
Blue (90%)



Red (45%)

Yellow (55%)

Blue (90%)

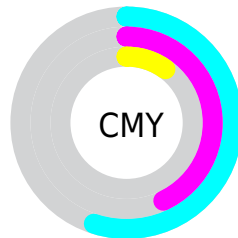


Cyan (50%)

Magenta (37%)

Yellow (0%)

Black (10%)



Cyan (55%)

Magenta (43%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4786, 29.6088, 78.9189 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 31.4786, 29.6088, 78.9189 by changing the saturation by 10% instead.

■ 31.4786, 29.6088,
78.9189

■ 31.4786, 29.6088,
78.9189

300.5249,
300.0767, 510.8923

■ 21.1172, 19.5418,
58.3082

■ 61.3635, 59.0430,
133.6423

■ 13.3226, 12.0625,
41.6401

■ 81.6177, 79.1790,
168.5921

■ 7.7296, 6.7862,
28.4962

■ 105.9003,
103.4401, 209.1587

■ 3.9728, 3.3288,
18.4577

134.5764,
132.2108, 255.7606

■ 1.6867, 1.3057,
11.1063

168.0116,
165.8754, 308.8164

■ 0.4479, 0.1456,
6.0233

206.5712,

■ 0.0000, 0.0000,

204.8183, 368.7446

2.7902

250.6205,
249.4240, 435.9637

■ 0.0000, 0.0000,
0.9885

■ 0.0000, 0.0000,
0.0000

■ 31.4786, 29.6088,
78.9189

■ 31.4786, 29.6088,
78.9189

■ 26.4166, 23.4275,
77.9932

■ 37.6860, 36.9585,
80.0110

■ 22.4222, 18.3477,
77.2232

■ 45.1029, 45.5323,
81.2750

■ 19.4127, 14.2996,
76.6005

■ 53.7924, 55.3858,
82.7189

■ 17.2904, 11.2032,
76.1146

■ 63.8122, 66.5701,
84.3496

■ 15.8989, 8.9449,
75.7521

■ 75.2163, 79.1335,
86.1735

■ 15.8987, 8.9444,
75.7520

■ 88.0557, 93.1218,
88.1968

■ 91.2830, 98.4932,
89.0635

Harmonies

Analogous

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



25.1647, 29.6088, 79.0908



31.4786, 29.6088, 78.9189



37.7131, 29.6088, 63.5080

Triad

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



31.4786, 29.6088, 78.9189



37.6035, 29.6088, 13.2640



17.9326, 29.6088, 24.1762

Complementary

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



31.4786, 29.6088, 78.9189



56.3836, 59.3718, 24.7095

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.



20.3454, 29.6088, 13.4074



31.4786, 29.6088, 78.9189



31.3460, 29.6088, 8.9069

Square

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



31.4786, 29.6088, 78.9189



41.5941, 29.6088, 23.8860



25.0504, 29.6088, 8.9471



17.9570, 29.6088, 42.3424

Rectangle

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



31.4786, 29.6088, 78.9189



40.7150, 29.6088, 49.1132



25.0504, 29.6088, 8.9471



18.4675, 29.6088, 19.7541

Sweetspot

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



31.4797, 29.6098, 78.9196



73.9856, 76.7226, 105.5172



45.7158, 64.3784, 64.2541



15.2704, 15.7894, 22.4928



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.



31.4797, 29.6098, 78.9196



33.1891, 29.3639, 98.5263



31.5420, 23.7125, 77.7780



13.8870, 14.4954, 18.2103



9.0853, 5.2326, 42.9143



0.7454, 0.5347, 3.1959

Inverse Universe

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



43.8758, 31.1303, 30.4851



50.8671, 32.7130, 29.1889



56.0664, 70.5522, 26.8843



14.5305, 14.4294, 15.7282



18.9793, 9.7259, 3.5201



1.4399, 0.7337, 0.4568

Previews

White Background



This preview shows how the XYZ color 31.4786, 29.6088, 78.9189 looks on a white background.

Color Contrast Check

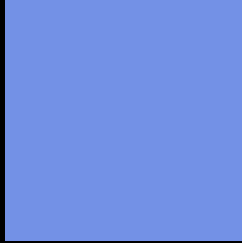
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4786, 29.6088, 78.9189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

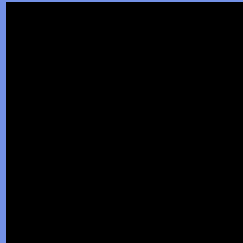
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4786, 29.6088, 78.9189

Background



This preview shows how black text looks on a background with the XYZ color 31.4786, 29.6088, 78.9189.



This preview shows how white text looks on a background with the XYZ color 31.4786, 29.6088,

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

31.4786, 29.6088, 78.9189

Protanopia

31.6108, 29.6770, 78.9251

Deuteranopia

30.4023, 29.5278, 78.2258



Tritanopia

24.1365, 29.5030, 42.4527

Trichromacy



Original Color

31.4786, 29.6088, 78.9189

Protanomaly

31.6108, 29.6770, 78.9251

Deuteranomaly

30.7284, 29.4661, 78.1967

Tritanomaly

26.4992, 29.4718, 54.1611

Monochromacy



Original Color

31.4786, 29.6088, 78.9189

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.2064, 28.8830, 45.6833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4786, 29.6088, 78.9189 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, 145, 230)` looks like.

```
.text, #text, p{  
    color:rgb(115, 145, 230)  
}
```

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, 145, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 145, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.4786, 29.6088, 78.9189 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, 145, 230) }
```


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

```
.border{ border-color:rgb(115, 145, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 145, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 145, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 145, 230);  
box-shadow:4px 4px 4px 4px rgb(115, 145,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4786, 29.6088, 78.9189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 145, 230) }
```

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

```
.background{ background-color: rgb(115,  
145, 230) }
```

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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