

Converting Colors

`XYZ(29.0516, 29.8031, 76.8944)`

Have a look what the booklet for
XYZ(29.0516, 29.8031, 76.8944)
contains.

- XYZ(29.0516, 29.8031, 76.8944)** 3
 - Conversions* 4
 - Details* 6
 - Harmonies* 12
 - Previews* 24
 - Color Blindness Simulation* 28
 - CSS Examples* 31

Color

**XYZ(29.0516, 29.8031,
76.8944)**

Conversions

Conversions Part 1

Format	Color
Hex	5997E3
RGB	89, 151, 227
RGB Percent	35%, 59%, 89%
CMY	0.6509, 0.4078, 0.1098
CMYK	0.61, 0.33, 0.00, 0.11
HSL	213°, 71%, 62%
HSV	213°, 61%, 89%
XYZ	29.0516, 29.8031, 76.8944
YIQ	141.1260, -61.3480, 10.4920

Conversions

Conversions Part 2

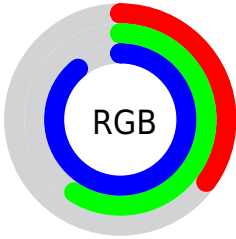
Format	Color
RYP	89, 132, 227
Decimal	5871587
CIELab	61.48, 2.82, -44.51
CIELCh	61, 44.601, 273.630
Yxy	29.8031, 0.2140, 0.2195
Android (android.graphics.Color)	4284061667 (0xFF5997E3)
YUV	141.1260, 42.3359, -45.7145
Hunter-Lab	54.5922, -0.5464, -45.2968

Details

The XYZ color **29.0516, 29.8031, 76.8944** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **46.9387, 43.9652, 15.4652**, and the grayscale version is **25.2245, 26.5382, 28.9000**.

A 20% lighter version of the original color is **52.2757, 57.2722, 102.9072**, and **12.0044, 12.2476, 40.2594** is the 20% darker color. If you saturate the color by 10%, you get **25.2932, 25.0358, 76.1729**, and if you desaturate by 10%, it is **33.6971, 35.3454, 77.7199**.

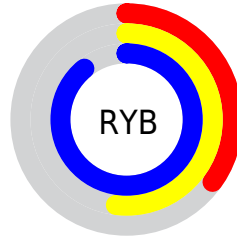
Distribution



Red (35%)

Green (59%)

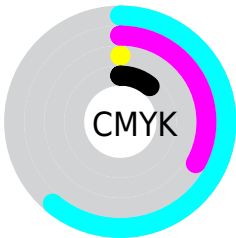
Blue (89%)



Red (35%)

Yellow (52%)

Blue (89%)

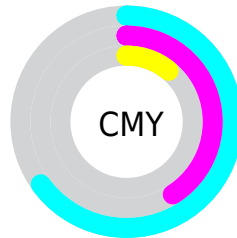


Cyan (61%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (41%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0516, 29.8031, 76.8944 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 29.0516, 29.8031, 76.8944 by changing the saturation by 10% instead.

■ 29.0516, 29.8031,
76.8944

■ 29.0516, 29.8031,
76.8944

■ 289.4482,
300.9856, 503.8320

■ 19.2643, 19.6892,
56.6552

■ 57.5560, 59.3507,
130.7621

■ 11.9666, 12.1693,
40.3209

■ 77.0039, 79.5531,
165.2276

■ 6.7930, 6.8591,
27.4732

■ 100.4028,
103.8871, 205.2722

■ 3.3781, 3.3741,
17.6933

■ 128.1179,
132.7372, 251.3146

■ 1.3567, 1.3300,
10.5629

■ 160.5146,
166.4877, 303.7732

■ 0.2251, 0.1643,
5.6633

■ 197.9583,

■ 0.0000, 0.0000,

205.5230, 363.0666

2.5760

240.8144,
250.2275, 429.6134

■ 0.0000, 0.0000,
0.8800

■ 0.0000, 0.0000,
0.0000

■ 29.0516, 29.8031,
76.8944

■ 29.0516, 29.8031,
76.8944

■ 25.2932, 25.0358,
76.1729

■ 33.6971, 35.3454,
77.7199

■ 22.3477, 20.9941,
75.5480

■ 39.2884, 41.7010,
78.6520

■ 20.1331, 17.6257,
75.0146

■ 45.8829, 48.9088,
79.6957

■ 18.6147, 15.0451,
74.5965

■ 53.5319, 57.0042,
80.8551

■ 62.2833, 66.0200,
82.1341

■ 72.1817, 75.9873,
83.5363

■ 83.2691, 86.9356,
85.0651

■ 89.6079, 95.8115,
86.4442

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



23.5794, 29.8031, 71.1487



29.0516, 29.8031, 76.8944



35.0885, 29.8031, 67.7318

Triad

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



29.0516, 29.8031, 76.8944



38.8657, 29.8031, 17.5733



19.3273, 29.8031, 20.0494

Complementary

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



29.0516, 29.8031, 76.8944



46.9387, 43.9652, 15.4652

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.



22.4952, 29.8031, 12.2144



29.0516, 29.8031, 76.8944



33.6725, 29.8031, 11.1727

Square

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



29.0516, 29.8031, 76.8944



41.2293, 29.8031, 30.4358



27.6145, 29.8031, 9.6213



18.4435, 29.8031, 34.5522

Rectangle

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



29.0516, 29.8031, 76.8944



38.4827, 29.8031, 55.7911



27.6145, 29.8031, 9.6213



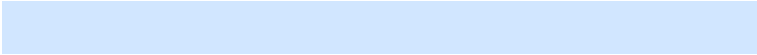
20.1364, 29.8031, 16.7411

Sweetspot

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



29.0527, 29.8041, 76.8951



72.5920, 77.2282, 105.6883



38.3727, 59.7760, 45.0670



14.8582, 15.8232, 22.5210



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.



29.0527, 29.8041, 76.8951



31.7997, 31.0919, 98.9330



22.2524, 15.1740, 74.4297



14.1133, 14.9480, 18.2857



10.9689, 8.9999, 43.5422



0.9022, 0.8483, 3.2482

Inverse Universe

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



40.8379, 25.7115, 32.0893



49.0657, 27.7805, 32.6878



58.8186, 70.8914, 20.0363



14.6448, 14.4751, 16.3298



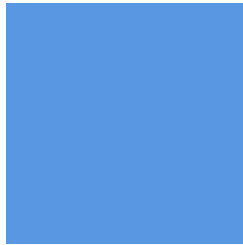
19.9301, 10.1063, 8.5269



1.5190, 0.7653, 0.8737

Previews

White Background



This preview shows how the XYZ color 29.0516, 29.8031, 76.8944 looks on a white background.

Color Contrast Check

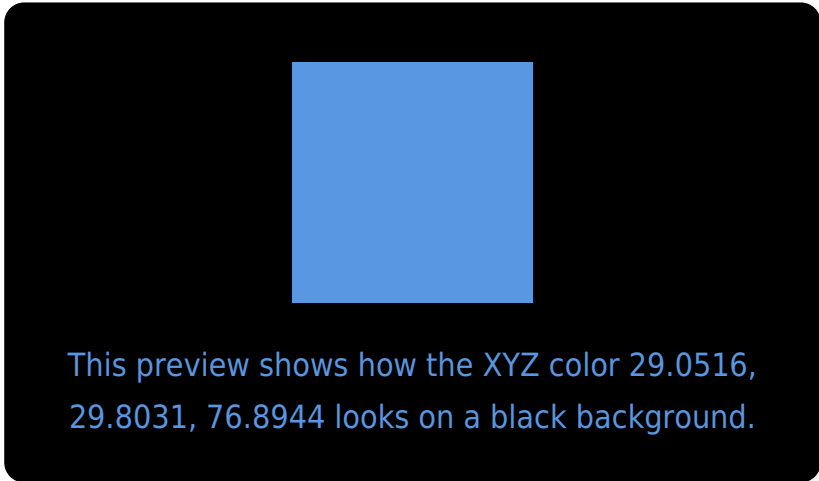
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

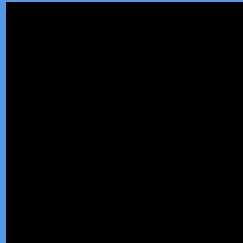
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

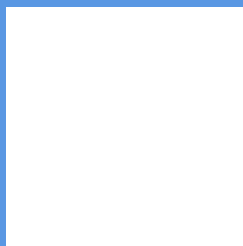
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0516, 29.8031, 76.8944

Background



This preview shows how black text looks on a background with the XYZ color 29.0516, 29.8031, 76.8944.



This preview shows how white text looks on a background with the XYZ color 29.0516, 29.8031,

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

29.0516, 29.8031, 76.8944

Protanopia

31.1954, 29.5897, 73.1744

Deuteranopia

30.5007, 29.5947, 77.5036



Tritanopia

22.6627, 29.7087, 45.0973

Trichromacy



Original Color

29.0516, 29.8031, 76.8944

Protanomaly

30.1949, 29.5005, 74.6237

Deuteranomaly

29.8490, 29.4906, 77.5178

Tritanomaly

24.6186, 29.4648, 55.4287

Monochromacy



Original Color

29.0516, 29.8031, 76.8944

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.5978, 27.3669, 42.9629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0516, 29.8031, 76.8944 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(89, 151, 227)` looks like.

```
.text, #text, p{
  color:rgb(89, 151, 227)
}
```

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(89, 151, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 151, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.0516, 29.8031, 76.8944 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(89, 151, 227) }
```


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

```
.border{ border-color:rgb(89, 151, 227) }
```

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

Here you see how a box with a 4 pixel rgb(89, 151, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 151, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 151, 227);  
box-shadow:4px 4px 4px 4px rgb(89, 151,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0516, 29.8031, 76.8944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 151, 227) }
```

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

```
.background{ background-color: rgb(89, 151,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor