

Converting Colors

XYZ(29.1686, 30.1178, 76.9128)

Have a look what the booklet for
XYZ(29.1686, 30.1178, 76.9128)
contains.

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Color

**XYZ(29.2132, 30.1264,
76.9483)**

Conversions

Conversions Part 1

Format	Color
Hex	5998E3
RGB	89, 152, 227
RGB Percent	35%, 60%, 89%
CMY	0.6510, 0.4039, 0.1098
CMYK	0.61, 0.33, 0.00, 0.11
HSL	213°, 71%, 62%
HSV	213°, 61%, 89%
XYZ	29.2132, 30.1264, 76.9483
YIQ	141.7130, -61.6230, 9.9690

Conversions

Conversions Part 2

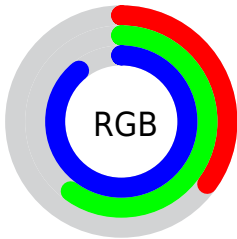
Format	Color
R _Y B	89, 132, 227
Decimal	5871843
CIE Lab	61.76, 2.24, -44.07
CIE LCh	62, 44.129, 272.915
Yxy	30.1264, 0.2143, 0.2210
Android (android.graphics.Color)	4284061923 (0xFF5998E3)
YUV	141.7130, 42.0465, -46.2293
Hunter-Lab	54.8875, -1.0488, -44.6990

Details

The XYZ color **29.2132, 30.1264, 76.9483** 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 **46.7588, 43.6055, 15.4050**, and the grayscale version is **25.4559, 26.7815, 29.1651**.

A 20% lighter version of the original color is **52.5157, 57.7522, 102.9872**, and **12.1021, 12.4430, 40.2920** is the 20% darker color. If you saturate the color by 10%, you get **25.4619, 25.3734, 76.2292**, and if you desaturate by 10%, it is **33.8464, 35.6442, 77.7698**.

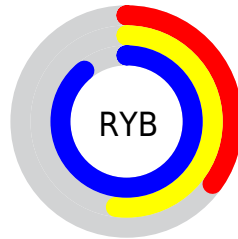
Distribution



Red (35%)

Green (60%)

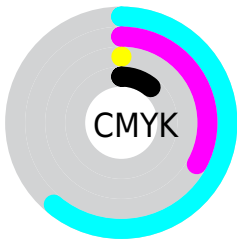
Blue (89%)



Red (35%)

Yellow (52%)

Blue (89%)

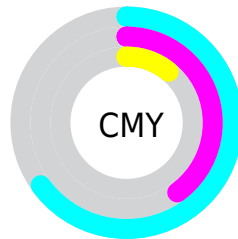


Cyan (61%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (40%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2132, 30.1264, 76.9483 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 29.2132, 30.1264, 76.9483 by changing the saturation by 10% instead.

■ 29.2132, 30.1264,
76.9483

■ 29.2132, 30.1264,
76.9483

290.1957,
302.4932, 504.0207

■ 19.3873, 19.9345,
56.6991

■ 57.8109, 59.8620,
130.8388

■ 12.0561, 12.3475,
40.3560

■ 77.3133, 80.1746,
165.3173

■ 6.8544, 6.9808,
27.5003

■ 100.7719,
104.6295, 205.3759

■ 3.4167, 3.4501,
17.7136

■ 128.5521,
133.6111, 251.4333

■ 1.3778, 1.3710,
10.5772

161.0192,
167.5039, 303.9079

■ 0.2403, 0.1952,
5.6728

198.5386,

■ 0.0000, 0.0000,

206.6923, 363.2183

2.5816

241.4757,
251.5606, 429.7831

■ 0.0000, 0.0000,
0.8829

■ 0.0000, 0.0000,
0.0000

■ 29.2132, 30.1264,
76.9483

■ 29.2132, 30.1264,
76.9483

■ 25.4619, 25.3734,
76.2292

■ 33.8464, 35.6442,
77.7698

■ 22.5189, 21.3363,
75.6051

■ 39.4202, 41.9647,
78.6960

■ 20.3021, 17.9637,
75.0709

■ 45.9915, 49.1263,
79.7320

■ 18.7781, 15.3718,
74.6510

■ 53.6116, 57.1637,
80.8817

■ 62.3279, 66.1094,
82.1490

■ 72.1849, 75.9941,
83.5374

■ 83.2245, 86.8468,
85.0503

■ 89.5091, 95.6138,
86.4113

■ 90.8652, 98.3261,
86.8634

Harmonies

Analogous

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



23.7874, 30.1264, 70.9159



29.2132, 30.1264, 76.9483



35.2299, 30.1264, 68.1976

Triad

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



29.2132, 30.1264, 76.9483



39.2163, 30.1264, 18.1625



19.6992, 30.1264, 20.1547

Complementary

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



29.2132, 30.1264, 76.9483



46.7588, 43.6055, 15.4050

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.



22.9179, 30.1264, 12.4330



29.2132, 30.1264, 76.9483



34.0985, 30.1264, 11.5902

Square

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



29.2132, 30.1264, 76.9483



41.4793, 30.1264, 31.1829



28.0630, 30.1264, 9.9228



18.7594, 30.1264, 34.4773

Rectangle

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



29.2132, 30.1264, 76.9483



38.6370, 30.1264, 56.4663



28.0630, 30.1264, 9.9228



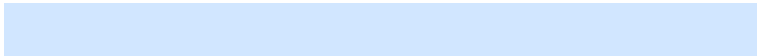
20.5266, 30.1264, 16.8914

Sweetspot

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



29.2143, 30.1274, 76.9491



72.6845, 77.4134, 105.7191



38.1652, 59.6930, 43.9749



14.8807, 15.8681, 22.5285



0.0000, 0.0000, 0.0000



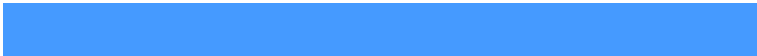
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2143, 30.1274, 76.9491



32.0209, 31.5343, 99.0068



22.0141, 15.0510, 74.4185



14.1221, 14.9657, 18.2887



11.0649, 9.1918, 43.5742



0.9096, 0.8631, 3.2506

Inverse Universe

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



40.9195, 25.7441, 32.5190



49.1774, 27.8252, 33.2758



59.5200, 71.2530, 20.0690



14.6492, 14.4769, 16.3533



19.9785, 10.1256, 8.7820



1.5227, 0.7668, 0.8932

Previews

White Background



This preview shows how the XYZ color 29.2132, 30.1264, 76.9483 looks on a white background.

Color Contrast Check

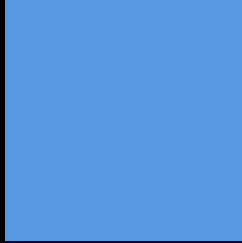
Large Text (above 18pt) WCAG AA × Fail

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 29.2132, 30.1264, 76.9483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

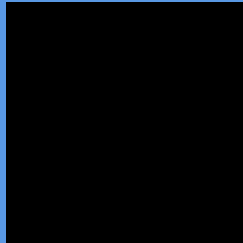
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

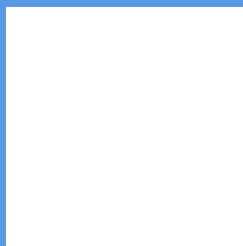
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2132, 30.1264, 76.9483

Background



This preview shows how black text looks on a background with the XYZ color 29.2132, 30.1264, 76.9483.

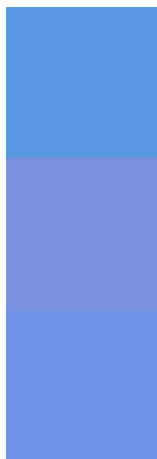


This preview shows how white text looks on a background with the XYZ color 29.2132, 30.1264,

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

29.2132, 30.1264, 76.9483

Protanopia

31.4897, 29.9693, 73.2322

Deuteranopia

30.9002, 30.0325, 77.5670



Tritanopia

22.8382, 30.0596, 45.1558

Trichromacy



Original Color

29.2132, 30.1264, 76.9483

Protanomaly

30.4749, 29.8766, 74.6816

Deuteranomaly

30.2305, 29.9211, 77.5808

Tritanomaly

24.7885, 29.8046, 55.4853

Monochromacy



Original Color

29.2132, 30.1264, 76.9483

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.9901, 27.7859, 43.5285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2132, 30.1264, 76.9483 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, 152, 227)` looks like.

```
.text, #text, p{  
    color:rgb(89, 152, 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, 152, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 152, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.2132, 30.1264, 76.9483 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, 152, 227) }
```


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

```
.border{ border-color:rgb(89, 152, 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, 152, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 152, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 152, 227);  
box-shadow:4px 4px 4px 4px rgb(89, 152,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2132, 30.1264, 76.9483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 152, 227) }
```

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

```
.background{ background-color: rgb(89, 152,  
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](#).

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