

Converting Colors

XYZ(30.2281, 29.7835, 73.8136)

Have a look what the booklet for
XYZ(30.2281, 29.7835, 73.8136)
contains.

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Color

**XYZ(30.2159, 29.7587,
73.9635)**

Conversions

Conversions Part 1

Format	Color
Hex	6D94DF
RGB	109, 148, 223
RGB Percent	43%, 58%, 87%
CMY	0.5725, 0.4196, 0.1255
CMYK	0.51, 0.34, 0.00, 0.13
HSL	219°, 64%, 65%
HSV	219°, 51%, 87%
XYZ	30.2159, 29.7587, 73.9635
YIQ	144.8890, -47.3190, 15.0570

Conversions

Conversions Part 2

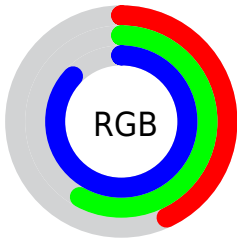
Format	Color
RYB	109, 138, 223
Decimal	7181535
CIELab	61.45, 7.43, -42.29
CIElCh	61, 42.933, 279.966
Yxy	29.7587, 0.2256, 0.2222
Android (android.graphics.Color)	4285371615 (0xFF6D94DF)
YUV	144.8890, 38.5087, -31.4747
Hunter-Lab	54.5515, 3.4053, -42.2021

Details

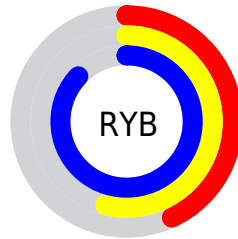
The XYZ color **30.2159, 29.7587, 73.9635** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.3338, 51.0753, 21.6753**, and the grayscale version is **26.7321, 28.1242, 30.6273**.

A 20% lighter version of the original color is **54.8964, 57.5681, 102.8261**, and **12.6094, 12.1784, 38.2453** is the 20% darker color. If you saturate the color by 10%, you get **25.6553, 24.2055, 73.1326**, and if you desaturate by 10%, it is **35.7662, 36.2561, 74.9257**.

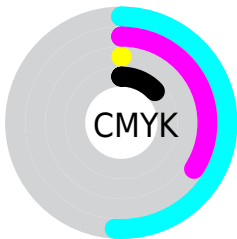
Distribution



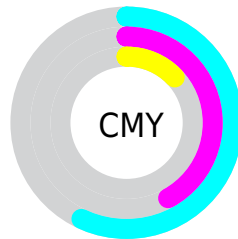
- Red (43%)
- Green (58%)
- Blue (87%)



- Red (43%)
- Yellow (54%)
- Blue (87%)



- Cyan (51%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (57%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2159, 29.7587, 73.9635 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 30.2159, 29.7587, 73.9635 by changing the saturation by 10% instead.

■ 30.2159, 29.7587,
73.9635

■ 30.2159, 29.7587,
73.9635

294.8013,
300.7781, 493.5074

■ 20.1514, 19.6555,
54.2676

■ 59.3877, 59.2804,
126.5776

■ 12.6141, 12.1449,
38.4210

■ 79.2258, 79.4676,
160.3329

■ 7.2385, 6.8424,
26.0052

■ 103.0524,
103.7850, 199.6117

■ 3.6593, 3.3637,
16.6017

131.2329,
132.6170, 244.8325

■ 1.5113, 1.3245,
9.7920

164.1327,
166.3479, 296.4140

■ 0.3335, 0.1600,
5.1575

202.1171,

■ 0.0000, 0.0000,

205.3621, 354.7746

2.2796

245.5516,
250.0440, 420.3329

■ 0.0000, 0.0000,
0.7198

■ 0.0000, 0.0000,
0.0000

■ 30.2159, 29.7587,
73.9635

■ 30.2159, 29.7587,
73.9635

■ 25.6553, 24.2055,
73.1326

■ 35.7662, 36.2561,
74.9257

■ 22.0165, 19.5440,
72.4246

■ 42.3613, 43.7399,
76.0226

■ 19.2276, 15.7203,
71.8335

■ 50.0559, 52.2535,
77.2603

■ 17.2027, 12.6719,
71.3519

■ 58.8998, 61.8362,
78.6439

■ 15.9235, 10.5361,
71.0070

■ 68.9396, 72.5256,
80.1780

■ 80.2192, 84.3569,
81.8671

■ 88.9638, 95.3965,
83.5371

■ 90.3194, 98.1078,
83.9890

Harmonies

Analogous

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



24.7084, 29.7587, 71.5297



30.2159, 29.7587, 73.9635



35.8899, 29.7587, 62.7450

Triad

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



30.2159, 29.7587, 73.9635



37.5006, 29.7587, 16.1867



19.2207, 29.7587, 22.8311

Complementary

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



30.2159, 29.7587, 73.9635



50.3338, 51.0753, 21.6753

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.



21.8378, 29.7587, 13.8657



30.2159, 29.7587, 73.9635



32.1905, 29.7587, 11.0152

Square

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



30.2159, 29.7587, 73.9635



40.4526, 29.7587, 27.2882



26.4377, 29.7587, 10.3381



18.8401, 29.7587, 38.1181

Rectangle

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



30.2159, 29.7587, 73.9635



38.8239, 29.7587, 50.6983



26.4377, 29.7587, 10.3381



19.8496, 29.7587, 19.1411

Sweetspot

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



30.2170, 29.7598, 73.9642



74.8419, 78.4351, 105.8026



41.2532, 59.4506, 54.1566



15.4749, 16.1985, 22.5609



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.



30.2170, 29.7598, 73.9642



34.5808, 32.5698, 99.0717



27.4084, 20.7099, 72.3655



13.3334, 14.0060, 17.3884



9.4574, 6.3843, 41.7822



0.7367, 0.6049, 2.9232

Inverse Universe

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



41.2464, 28.7648, 31.3960



51.4664, 32.5579, 33.5623



54.5748, 66.9878, 24.5232



13.8998, 13.7775, 15.2424



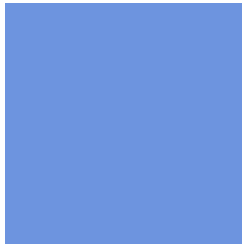
18.7138, 9.5525, 5.1588



1.3381, 0.6785, 0.5734

Previews

White Background



This preview shows how the XYZ color 30.2159, 29.7587, 73.9635 looks on a white background.

Color Contrast Check

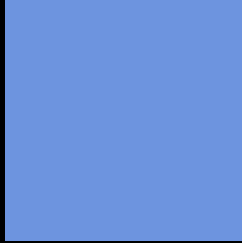
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2159, 29.7587, 73.9635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

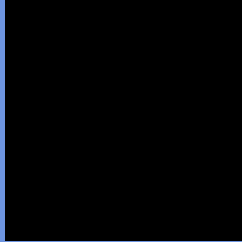
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

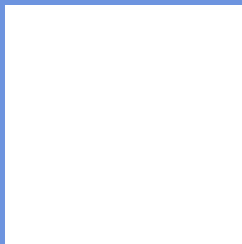
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2159, 29.7587, 73.9635

Background



This preview shows how black text looks on a background with the XYZ color 30.2159, 29.7587, 73.9635.

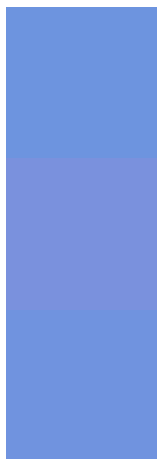


This preview shows how white text looks on a background with the XYZ color 30.2159, 29.7587,

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

30.2159, 29.7587, 73.9635

Protanopia

31.2026, 29.6088, 72.4771

Deuteranopia

30.4351, 29.6399, 73.9290



Tritanopia

23.9912, 29.6693, 42.9904

Trichromacy



Original Color

30.2159, 29.7587, 73.9635

Protanomaly

30.7998, 29.6136, 73.1999

Deuteranomaly

30.3085, 29.5747, 73.9231

Tritanomaly

25.8869, 29.4256, 53.0305

Monochromacy



Original Color

30.2159, 29.7587, 73.9635

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.3374, 28.4804, 43.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2159, 29.7587, 73.9635 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(109, 148, 223)` looks like.

```
.text, #text, p{  
    color:rgb(109, 148, 223)  
}
```

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(109, 148, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 148, 223) }
```

Border

The CSS property to change the border of an element to XYZ 30.2159, 29.7587, 73.9635 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(109, 148, 223) }
```


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

```
.border{ border-color:rgb(109, 148, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 148, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 148, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 148, 223);  
box-shadow:4px 4px 4px 4px rgb(109, 148,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2159, 29.7587, 73.9635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 148, 223) }
```

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

```
.background{ background-color: rgb(109,  
148, 223) }
```

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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