

Converting Colors

XYZ(30.8148, 29.5963, 69.9784)

Have a look what the booklet for
XYZ(30.8148, 29.5963, 69.9784)
contains.

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Color

**XYZ(30.8293, 29.7051,
69.7544)**

Conversions

Conversions Part 1

Format	Color
Hex	7A92D9
RGB	122, 146, 217
RGB Percent	48%, 57%, 85%
CMY	0.5216, 0.4274, 0.1490
CMYK	0.44, 0.33, 0.00, 0.15
HSL	225°, 56%, 66%
HSV	225°, 44%, 85%
XYZ	30.8293, 29.7051, 69.7544
YIQ	146.9180, -37.0950, 16.9930

Conversions

Conversions Part 2

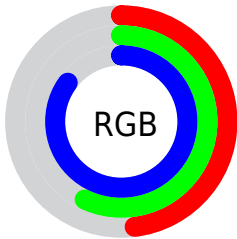
Format	Color
RYB	122, 141, 217
Decimal	8032985
CIELab	61.40, 9.92, -38.97
CIElCh	61, 40.210, 284.290
Yxy	29.7051, 0.2366, 0.2280
Android (android.graphics.Color)	4286223065 (0xFF7A92D9)
YUV	146.9180, 34.5504, -21.8531
Hunter-Lab	54.5024, 5.5894, -37.7301

Details

The XYZ color **30.8293, 29.7051, 69.7544** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.1991, 54.2981, 26.1958**, and the grayscale version is **27.5730, 29.0089, 31.5907**.

A 20% lighter version of the original color is **57.0644, 57.9935, 102.7940**, and **13.0192, 12.1677, 35.8448** is the 20% darker color. If you saturate the color by 10%, you get **25.7677, 23.6444, 68.8519**, and if you desaturate by 10%, it is **36.9337, 36.8309, 70.8087**.

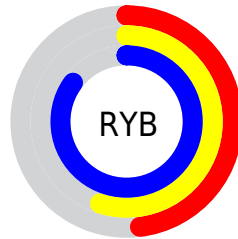
Distribution



Red (48%)

Green (57%)

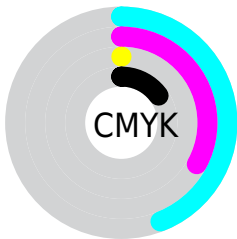
Blue (85%)



Red (48%)

Yellow (55%)

Blue (85%)

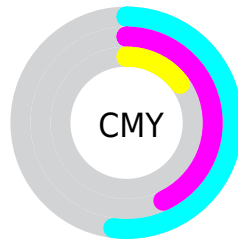


Cyan (44%)

Magenta (33%)

Yellow (0%)

Black (15%)



Cyan (52%)

Magenta (43%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8293, 29.7051, 69.7544 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 30.8293, 29.7051, 69.7544 by changing the saturation by 10% instead.

■ 30.8293, 29.7051,
69.7544

■ 30.8293, 29.7051,
69.7544

297.5921,
300.5274, 478.4530

■ 20.6201, 19.6149,
50.8508

■ 60.3489, 59.1955,
120.5363

■ 12.9575, 12.1154,
35.7140

■ 80.3900, 79.3644,
153.2516

■ 7.4761, 6.8223,
23.9254

■ 104.4391,
103.6617, 191.4079

■ 3.8105, 3.3512,
15.0666

132.8615,
132.4718, 235.4237

■ 1.5955, 1.3177,
8.7190

166.0227,
166.1790, 285.7176

■ 0.3895, 0.1549,
4.4641

204.2880,

■ 0.0000, 0.0000,

205.1677, 342.7081

1.8832

248.0226,
249.8224, 406.8137

■ 0.0000, 0.0000,
0.4820

■ 0.0000, 0.0000,
0.0000

■ 30.8293, 29.7051,
69.7544

■ 30.8293, 29.7051,
69.7544

■ 25.7677, 23.6444,
68.8519

■ 36.9337, 36.8309,
70.8087

■ 21.6846, 18.5921,
68.0919

■ 44.1336, 45.0682,
72.0191

■ 18.5133, 14.4907,
67.4674

■ 52.4819, 54.4644,
73.3928

■ 16.1766, 11.2749,
66.9698

■ 62.0269, 65.0631,
74.9354

■ 14.5832, 8.8697,
66.5896

■ 72.8144, 76.9056,
76.6527

■ 13.8821, 7.7250,
66.4056

■ 84.8874, 90.0312,
78.5499

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



25.5588, 29.7051, 69.4417



30.8293, 29.7051, 69.7544



35.9792, 29.7051, 58.1107

Triad

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



30.8293, 29.7051, 69.7544



36.1900, 29.7051, 15.9222



19.5025, 29.7051, 25.0555

Complementary

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



30.8293, 29.7051, 69.7544



51.1991, 54.2981, 26.1958

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.



21.6883, 29.7051, 15.6048



30.8293, 29.7051, 69.7544



31.0892, 29.7051, 11.5733

Square

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



30.8293, 29.7051, 69.7544



39.3271, 29.7051, 25.6507



25.7882, 29.7051, 11.4790



19.4514, 29.7051, 40.1103

Rectangle

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



30.8293, 29.7051, 69.7544



38.4669, 29.7051, 46.7576



25.7882, 29.7051, 11.4790



19.9984, 29.7051, 21.2459

Sweetspot

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



30.8304, 29.7062, 69.7551



76.4876, 79.4445, 105.9107



42.3174, 57.5551, 58.5556



15.7611, 16.3217, 22.5697



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.



30.8304, 29.7062, 69.7551



37.3292, 34.3109, 99.2629



31.0159, 24.8745, 68.8127



12.6047, 13.1491, 16.5258



8.4750, 4.8195, 40.2220



0.6178, 0.4497, 2.6287

Inverse Universe

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



40.7640, 30.7473, 30.9814



53.7705, 36.9897, 34.8740



50.7892, 62.6115, 27.8221



13.1903, 13.1052, 14.2635



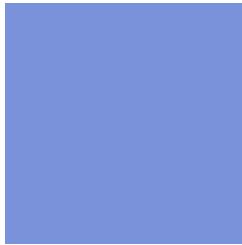
17.7731, 9.1103, 3.1854



1.1861, 0.6041, 0.3891

Previews

White Background



This preview shows how the XYZ color 30.8293, 29.7051, 69.7544 looks on a white background.

Color Contrast Check

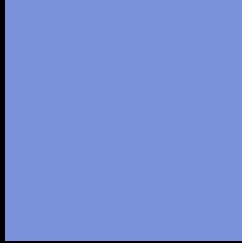
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8293, 29.7051, 69.7544 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 30.8293, 29.7051, 69.7544

Background



This preview shows how black text looks on a background with the XYZ color 30.8293, 29.7051, 69.7544.



This preview shows how white text looks on a background with the XYZ color 30.8293, 29.7051,

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

30.8293, 29.7051, 69.7544

Protanopia

30.9620, 29.5456, 69.7166

Deuteranopia

30.5659, 29.7991, 69.7865



Tritanopia

25.2630, 29.8553, 41.4769

Trichromacy



Original Color

30.8293, 29.7051, 69.7544

Protanomaly

30.8182, 29.4715, 69.7099

Deuteranomaly

30.7038, 29.8703, 69.7929

Tritanomaly

27.0306, 29.5791, 50.7390

Monochromacy



Original Color

30.8293, 29.7051, 69.7544

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3613, 29.2493, 43.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8293, 29.7051, 69.7544 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(122, 146, 217)` looks like.

```
.text, #text, p{  
    color:rgb(122, 146, 217)  
}
```

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(122, 146, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 146, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.8293, 29.7051, 69.7544 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(122, 146, 217) }
```


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

```
.border{ border-color:rgb(122, 146, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 146, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 146, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 146, 217);  
box-shadow:4px 4px 4px 4px rgb(122, 146,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8293, 29.7051, 69.7544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 146, 217) }
```

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

```
.background{ background-color: rgb(122,  
146, 217) }
```

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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