

Converting Colors

XYZ(33.1673, 33.2436, 70.1448)

Have a look what the booklet for
XYZ(33.1673, 33.2436, 70.1448)
contains.

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Color

**XYZ(33.3149, 33.3759,
70.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	809CD9
RGB	128, 156, 217
RGB Percent	50%, 61%, 85%
CMY	0.4980, 0.3882, 0.1490
CMYK	0.41, 0.28, 0.00, 0.15
HSL	221°, 54%, 68%
HSV	221°, 41%, 85%
XYZ	33.3149, 33.3759, 70.3319
YIQ	154.5820, -36.2690, 13.0350

Conversions

Conversions Part 2

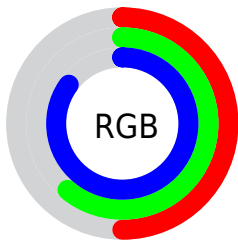
Format	Color
R_{YB}	128, 149, 217
Decimal	8428761
CIE _{Lab}	64.46, 5.71, -34.16
CIE _{LCh}	64, 34.629, 279.487
Yxy	33.3759, 0.2431, 0.2436
Android (android.graphics.Color)	4286618841 (0xFF809CD9)
YUV	154.5820, 30.7721, -23.3124
Hunter-Lab	57.7719, 1.8335, -31.7398

Details

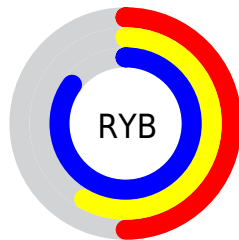
The XYZ color **33.3149, 33.3759, 70.3319** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.7100, 52.7063, 27.9239**, and the grayscale version is **30.8522, 32.4589, 35.3477**.

A 20% lighter version of the original color is **60.8638, 63.5035, 103.6573**, and **14.3972, 14.1676, 36.1582** is the 20% darker color. If you saturate the color by 10%, you get **28.0485, 27.1806, 69.4143**, and if you desaturate by 10%, it is **39.5872, 40.5447, 71.3856**.

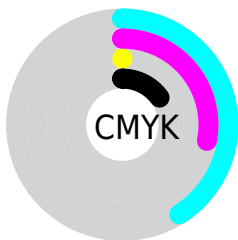
Distribution



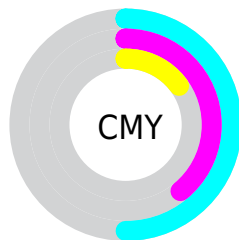
- Red (50%)
- Green (61%)
- Blue (85%)



- Red (50%)
- Yellow (58%)
- Blue (85%)



- Cyan (41%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3149, 33.3759, 70.3319 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 33.3149, 33.3759, 70.3319 by changing the saturation by 10% instead.

■ 33.3149, 33.3759,
70.3319

■ 33.3149, 33.3759,
70.3319

308.7063,
317.3402, 480.5351

■ 22.5282, 22.4146,
51.3187

■ 64.2182, 64.9620,
121.3675

■ 14.3643, 14.1618,
36.0838

■ 85.0656, 86.3555,
154.2270

■ 8.4579, 8.2333,
24.2087

■ 109.9972,
111.9952, 192.5389

■ 4.4435, 4.2446,
15.2749

139.3784,
142.2654, 236.7219

■ 1.9560, 1.8113,
8.8638

173.5745,
177.5507, 287.1945

■ 0.6091, 0.4942,
4.5568

212.9510,

■ 0.0000, 0.0000,

218.2353, 344.3752

1.9355

257.8731,
264.7036, 408.6825

■ 0.0000, 0.0000,
0.5152

■ 0.0000, 0.0000,
0.0000

■ 33.3149, 33.3759,
70.3319

■ 33.3149, 33.3759,
70.3319

■ 28.0485, 27.1806,
69.4143

■ 39.5872, 40.5447,
71.3856

■ 23.7286, 21.9100,
68.6246

■ 46.9132, 48.7253,
72.5785

■ 20.2946, 17.5162,
67.9575

■ 55.3419, 57.9582,
73.9164

■ 17.6767, 13.9446,
67.4061

■ 64.9180, 68.2806,
75.4041

■ 15.7930, 11.1334,
66.9628

■ 75.6835, 79.7278,
77.0463

■ 14.6080, 9.1768,
66.6476

■ 86.4899, 91.7206,
78.7916

■ 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.



28.5083, 33.3759, 68.2511



33.3149, 33.3759, 70.3319



38.1569, 33.3759, 61.6484

Triad

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



33.3149, 33.3759, 70.3319



39.6357, 33.3759, 21.6372



23.6296, 33.3759, 27.6146

Complementary

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



33.3149, 33.3759, 70.3319



50.7100, 52.7063, 27.9239

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.



26.0559, 33.3759, 19.1246



33.3149, 33.3759, 70.3319



35.1703, 33.3759, 16.3474

Square

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



33.3149, 33.3759, 70.3319



42.0481, 33.3759, 32.0372



30.1822, 33.3759, 15.5657



23.2434, 33.3759, 41.0132

Rectangle

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



33.3149, 33.3759, 70.3319



40.6333, 33.3759, 51.9826



30.1822, 33.3759, 15.5657



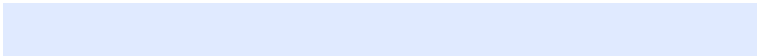
24.2206, 33.3759, 24.2009

Sweetspot

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



33.3161, 33.3771, 70.3327



78.3451, 81.9923, 106.3046



42.8813, 57.8818, 56.9530



16.4115, 17.1601, 22.6972



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.



33.3161, 33.3771, 70.3327



41.5187, 40.4800, 100.2329



31.8017, 26.4072, 69.0672



12.6713, 13.2824, 16.5480



8.9267, 5.7227, 40.3725



0.6542, 0.5225, 2.6408

Inverse Universe

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



42.3361, 32.5915, 35.5132



56.4246, 40.1167, 42.4831



52.7123, 63.5586, 29.9131



13.2240, 13.1187, 14.4406



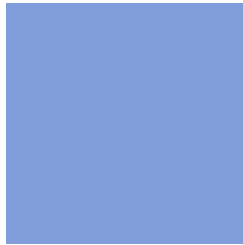
18.0011, 9.2015, 4.3858



1.2045, 0.6114, 0.4858

Previews

White Background



This preview shows how the XYZ color 33.3149, 33.3759, 70.3319 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 33.3149, 33.3759, 70.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

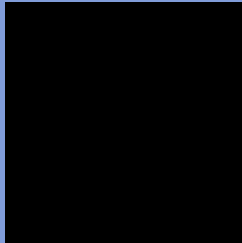
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3149, 33.3759, 70.3319

Background



This preview shows how black text looks on a background with the XYZ color 33.3149, 33.3759, 70.3319.



This preview shows how white text looks on a background with the XYZ color 33.3149, 33.3759,

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

33.3149, 33.3759, 70.3319

Protanopia

34.3026, 33.4208, 68.9329

Deuteranopia

34.0717, 33.2719, 70.2720



Tritanopia

28.6825, 33.5768, 46.5642

Trichromacy



Original Color

33.3149, 33.3759, 70.3319

Protanomaly

33.9475, 33.4689, 69.6367

Deuteranomaly

33.7614, 33.3580, 70.3050

Tritanomaly

30.2853, 33.4331, 54.7262

Monochromacy



Original Color

33.3149, 33.3759, 70.3319

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4343, 32.6768, 46.7700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3149, 33.3759, 70.3319 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(128, 156, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 156, 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(128, 156, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 156, 217) }
```

Border

The CSS property to change the border of an element to XYZ 33.3149, 33.3759, 70.3319 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(128, 156, 217) }
```


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

```
.border{ border-color:rgb(128, 156, 217) }
```

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

Here you see how a box with a 4 pixel rgb(128, 156, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 156, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 156, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 156,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3149, 33.3759, 70.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 156, 217) }
```

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

```
.background{ background-color: rgb(128,  
156, 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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