

Converting Colors

XYZ(33.1052, 33.3008, 67.8005)

Have a look what the booklet for
XYZ(33.1052, 33.3008, 67.8005)
contains.

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Color

**XYZ(33.1046, 33.3269,
67.6387)**

Conversions

Conversions Part 1

Format	Color
Hex	829CD5
RGB	130, 156, 213
RGB Percent	51%, 61%, 84%
CMY	0.4902, 0.3882, 0.1647
CMYK	0.39, 0.27, 0.00, 0.16
HSL	221°, 50%, 67%
HSV	221°, 39%, 84%
XYZ	33.1046, 33.3269, 67.6387
YIQ	154.7240, -33.7930, 12.2150

Conversions

Conversions Part 2

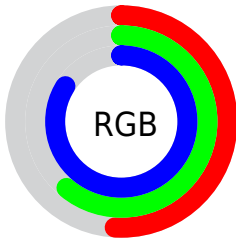
Format	Color
RYB	130, 150, 213
Decimal	8559829
CIELab	64.42, 5.13, -31.99
CIElCh	64, 32.397, 279.119
Yxy	33.3269, 0.2469, 0.2486
Android (android.graphics.Color)	4286749909 (0xFF829CD5)
YUV	154.7240, 28.7301, -21.6829
Hunter-Lab	57.7295, 1.3332, -29.0565

Details

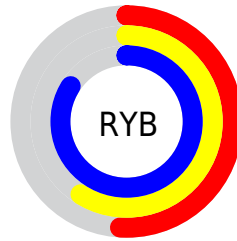
The XYZ color **33.1046, 33.3269, 67.6387** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.2409, 51.2992, 28.4267**, and the grayscale version is **30.9226, 32.5330, 35.4284**.

A 20% lighter version of the original color is **61.1042, 63.6275, 103.6685**, and **14.2036, 14.1083, 34.3223** is the 20% darker color. If you saturate the color by 10%, you get **27.8609, 27.1972, 66.7325**, and if you desaturate by 10%, it is **39.3225, 40.3990, 68.6766**.

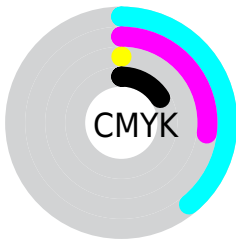
Distribution



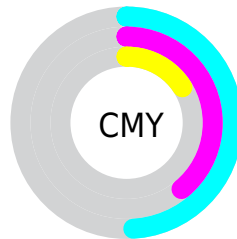
- Red (51%)
- Green (61%)
- Blue (84%)



- Red (51%)
- Yellow (59%)
- Blue (84%)



- Cyan (39%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1046, 33.3269, 67.6387 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 33.1046, 33.3269, 67.6387 by changing the saturation by 10% instead.

■ 33.1046, 33.3269,
67.6387

■ 33.1046, 33.3269,
67.6387

307.7775,
317.1202, 470.7781

■ 22.3662, 22.3770,
49.1390

■ 63.8924, 64.8856,
117.4844

■ 14.2443, 14.1342,
34.3634

■ 84.6725, 86.2631,
149.6676

■ 8.3736, 8.2140,
22.8933

■ 109.5305,
111.8853, 187.2489

■ 4.3888, 4.2322,
14.3102

138.8319,
142.1366, 230.6471

■ 1.9243, 1.8043,
8.1955

172.9419,
177.4013, 280.2805

■ 0.5909, 0.4898,
4.1307

212.2259,

■ 0.0000, 0.0000,

218.0639, 336.5678

1.6973

257.0493,
264.5087, 399.9275

■ 0.0000, 0.0000,
0.3589

■ 0.0000, 0.0000,
0.0000

■ 33.1046, 33.3269,
67.6387

■ 33.1046, 33.3269,
67.6387

■ 27.8609, 27.1972,
66.7325

■ 39.3225, 40.3990,
68.6766

■ 23.5354, 21.9635,
65.9503

■ 46.5594, 48.4493,
69.8491

■ 20.0715, 17.5808,
65.2869

■ 54.8616, 57.5164,
71.1616

■ 17.4042, 13.9982,
64.7360

■ 64.2713, 67.6356,
72.6189

■ 15.4582, 11.1581,
64.2904

■ 74.8283, 78.8402,
74.2252

■ 14.1194, 8.9813,
63.9408

■ 85.5315, 90.6265,
75.9360

■ 14.0012, 8.7858,
63.9093

■ 89.0104, 97.5841,
77.0956

Harmonies

Analogous

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



28.6150, 33.3269, 65.6159



33.1046, 33.3269, 67.6387



37.6163, 33.3269, 59.8133

Triad

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



33.1046, 33.3269, 67.6387



39.0780, 33.3269, 22.4894



24.0821, 33.3269, 27.9557

Complementary

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



33.1046, 33.3269, 67.6387



49.2409, 51.2992, 28.4267

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.



26.3969, 33.3269, 19.9152



33.1046, 33.3269, 67.6387



34.9483, 33.3269, 17.3336

Square

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



33.1046, 33.3269, 67.6387



41.2789, 33.3269, 32.4039



30.2895, 33.3269, 16.5222



23.6918, 33.3269, 40.4692

Rectangle

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



33.1046, 33.3269, 67.6387



39.9257, 33.3269, 50.9698



30.2895, 33.3269, 16.5222



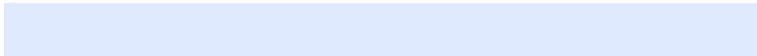
24.6493, 33.3269, 24.7358

Sweetspot

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



33.1057, 33.3282, 67.6395



78.3334, 81.9688, 106.3007



41.9404, 55.9108, 55.4371



16.4087, 17.1546, 22.6963



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.



33.1057, 33.3282, 67.6395



42.9508, 42.1533, 100.4804



31.7092, 26.8100, 66.4550



12.0569, 12.6371, 15.7413



8.6333, 5.5285, 39.0652



0.5939, 0.4799, 2.3806

Inverse Universe

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



41.4249, 32.5128, 35.5461



57.4382, 41.6351, 44.3892



51.0559, 61.1773, 30.2377



12.5819, 12.4843, 13.7385



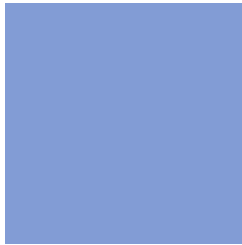
17.4166, 8.9029, 4.2317



1.0874, 0.5518, 0.4499

Previews

White Background



This preview shows how the XYZ color 33.1046, 33.3269, 67.6387 looks on a white background.

Color Contrast Check

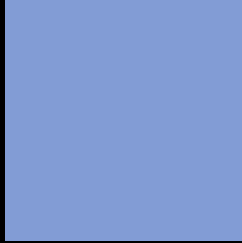
Large Text (above 18pt) WCAG AA × Fail

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 33.1046, 33.3269, 67.6387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

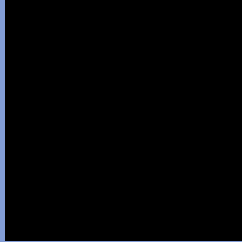
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1046, 33.3269, 67.6387

Background



This preview shows how black text looks on a background with the XYZ color 33.1046, 33.3269, 67.6387.



This preview shows how white text looks on a background with the XYZ color 33.1046, 33.3269,

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

33.1046, 33.3269, 67.6387

Protanopia

33.9609, 33.3033, 66.2663

Deuteranopia

34.0471, 33.3186, 67.5874



Tritanopia

28.8188, 33.3939, 46.0011

Trichromacy



Original Color

33.1046, 33.3269, 67.6387

Protanomaly

33.7584, 33.4304, 66.9608

Deuteranomaly

33.7233, 33.3977, 67.6198

Tritanomaly

30.0683, 33.1008, 52.9484

Monochromacy



Original Color

33.1046, 33.3269, 67.6387

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4119, 32.6883, 45.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1046, 33.3269, 67.6387 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(130, 156, 213)` looks like.

```
.text, #text, p{  
    color:rgb(130, 156, 213)  
}
```

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(130, 156, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 156, 213) }
```

Border

The CSS property to change the border of an element to XYZ 33.1046, 33.3269, 67.6387 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(130, 156, 213) }
```


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

```
.border{ border-color:rgb(130, 156, 213) }
```

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

Here you see how a box with a 4 pixel rgb(130, 156, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 156, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 156, 213);  
box-shadow:4px 4px 4px 4px rgb(130, 156,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1046, 33.3269, 67.6387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 156, 213) }
```

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

```
.background{ background-color: rgb(130,  
156, 213) }
```

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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