

Converting Colors

XYZ(29.0327, 33.5534, 67.8971)

Have a look what the booklet for
XYZ(29.0327, 33.5534, 67.8971)
contains.

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Color

**XYZ(29.0327, 33.5534,
67.8971)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 53A5D5 |
| RGB | 83, 165, 213 |
| RGB Percent | 33%, 65%, 84% |
| CMY | 0.6745, 0.3529, 0.1647 |
| CMYK | 0.61, 0.23, 0.00, 0.16 |
| HSL | 202°, 61%, 58% |
| HSV | 202°, 61%, 84% |
| XYZ | 29.0327, 33.5534, 67.8971 |
| YIQ | 145.9540, -64.2800, -2.4560 |

Conversions

Conversions Part 2

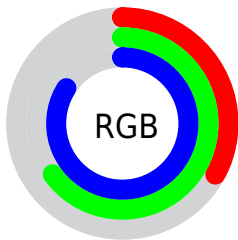
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 83, 133, 213 |
| Decimal | 5481941 |
| CIE Lab | 64.61, -10.71, -31.89 |
| CIE LCh | 65, 33.641, 251.439 |
| Yxy | 33.5534, 0.2225, 0.2571 |
| Android (android.graphics.Color) | 4283672021 (0xFF53A5D5) |
| YUV | 145.9540, 33.0537, -55.2107 |
| Hunter-Lab | 57.9253, -11.9034, -28.9490 |

Details

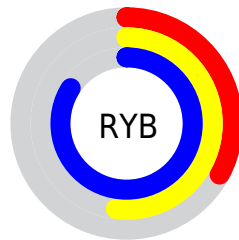
The XYZ color **29.0327, 33.5534, 67.8971** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **37.1196, 31.0051, 12.2132**, and the grayscale version is **27.1918, 28.6079, 31.1540**.

A 20% lighter version of the original color is **54.9709, 64.2460, 104.1112**, and **12.0767, 14.2789, 34.4673** is the 20% darker color. If you saturate the color by 10%, you get **26.0589, 29.9794, 67.3646**, and if you desaturate by 10%, it is **32.6731, 37.6019, 68.4873**.

Distribution



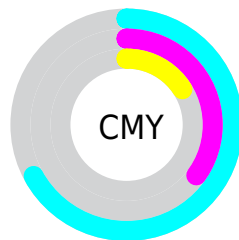
- Red (33%)
- Green (65%)
- Blue (84%)



- Red (33%)
- Yellow (52%)
- Blue (84%)



- Cyan (61%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)



- Cyan (67%)
- Magenta (35%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0327, 33.5534, 67.8971 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 29.0327, 33.5534, 67.8971 by changing the saturation by 10% instead.

■ 29.0327, 33.5534,
67.8971

■ 29.0327, 33.5534,
67.8971

289.3606,
318.1361, 471.7195

■ 19.2500, 22.5507,
49.3479

■ 57.5262, 65.2386,
117.8577

■ 11.9561, 14.2621,
34.5280

■ 76.9677, 86.6898,
150.1062

■ 6.7858, 8.3032,
23.0188

■ 100.3596,
112.3928, 187.7582

■ 3.3736, 4.2896,
14.4020

■ 128.0670,
142.7318, 231.2322

■ 1.3543, 1.8368,
8.2589

160.4555,
178.0912, 280.9468

■ 0.2233, 0.5100,
4.1709

197.8904,

■ 0.0000, 0.0000,

218.8554, 337.3206

1.7196

240.7370,
265.4089, 400.7719

■ 0.0000, 0.0000,
0.3741

■ 0.0000, 0.0000,
0.0000

■ 29.0327, 33.5534,
67.8971

■ 29.0327, 33.5534,
67.8971

■ 26.0589, 29.9794,
67.3646

■ 32.6731, 37.6019,
68.4873

■ 23.6920, 26.8448,
66.8843

■ 37.0262, 42.1488,
69.1355

■ 21.8662, 24.1140,
66.4535

■ 42.1374, 47.2206,
69.8451

■ 20.5843, 21.9521,
66.1037

■ 48.0473, 52.8402,
70.6183

■ 54.7934, 59.0291,
71.4573

■ 62.4106, 65.8073,
72.3642

■ 70.9320, 73.1938,
73.3408

■ 80.3887, 81.2067,
74.3890

■ 83.1841, 85.9317,
75.1537

Harmonies

Analogous

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



25.4388, 33.5534, 57.0554



29.0327, 33.5534, 67.8971



33.7642, 33.5534, 69.1946

Triad

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



29.0327, 33.5534, 67.8971



41.8601, 33.5534, 31.5209



26.1451, 33.5534, 20.0360

Complementary

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



29.0327, 33.5534, 67.8971



37.1196, 31.0051, 12.2132

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.



30.0893, 33.5534, 16.2120



29.0327, 33.5534, 67.8971



39.3524, 33.5534, 21.6382

Square

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



29.0327, 33.5534, 67.8971



41.5040, 33.5534, 45.6464



34.9321, 33.5534, 16.7134



23.8911, 33.5534, 28.7229

Rectangle

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



29.0327, 33.5534, 67.8971



36.9715, 33.5534, 64.1662



34.9321, 33.5534, 16.7134



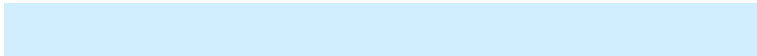
27.2996, 33.5534, 18.2513

Sweetspot

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



29.0339, 33.5546, 67.8979



74.9625, 81.9692, 106.4784



31.4369, 51.0582, 29.5545



15.4363, 16.9793, 22.7137



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.



29.0339, 33.5546, 67.8979



38.1087, 43.7099, 101.0361



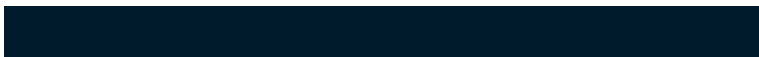
20.1681, 15.8231, 64.9427



12.3888, 13.3011, 15.8519



12.6743, 13.6103, 40.4122



0.8424, 0.9767, 2.4634

Inverse Universe

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



37.3264, 23.0506, 38.0803



52.2502, 29.0543, 49.4571



48.6677, 54.1014, 16.0626



12.7495, 12.5513, 14.6209



19.4562, 9.7188, 14.9725



1.2128, 0.6019, 1.1101

Previews

White Background



This preview shows how the XYZ color 29.0327, 33.5534, 67.8971 looks on a white background.

Color Contrast Check

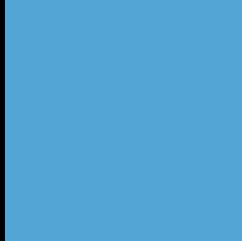
Large Text (above 18pt) WCAG AA × Fail

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 29.0327, 33.5534, 67.8971 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

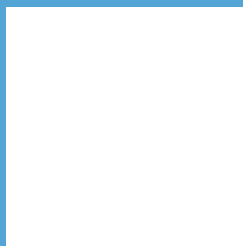
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0327, 33.5534, 67.8971

Background



This preview shows how black text looks on a background with the XYZ color 29.0327, 33.5534, 67.8971.

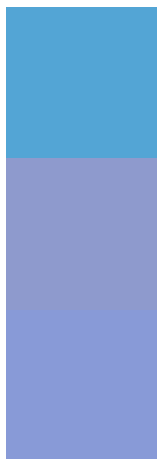


This preview shows how white text looks on a background with the XYZ color 29.0327, 33.5534,

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

29.0327, 33.5534, 67.8971

Protanopia

33.7304, 33.2698, 62.4015

Deuteranopia

33.9747, 33.2517, 68.9175



Tritanopia

25.5522, 33.5122, 50.4692

Trichromacy



Original Color

29.0327, 33.5534, 67.8971

Protanomaly

31.4972, 33.0727, 64.3981

Deuteranomaly

31.7006, 33.0907, 68.3347

Tritanomaly

26.7546, 33.4412, 56.6744

Monochromacy



Original Color

29.0327, 33.5534, 67.8971

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.8153, 29.8957, 42.3873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0327, 33.5534, 67.8971 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(83, 165, 213)` looks like.

```
.text, #text, p{  
    color:rgb(83, 165, 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(83, 165, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 165, 213) }
```

Border

The CSS property to change the border of an element to XYZ 29.0327, 33.5534, 67.8971 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(83, 165, 213) }
```


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

```
.border{ border-color:rgb(83, 165, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 165, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 165, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 165, 213);  
box-shadow:4px 4px 4px 4px rgb(83, 165,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0327, 33.5534, 67.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 165, 213) }
```

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

```
.background{ background-color: rgb(83, 165,  
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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