

Converting Colors

XYZ(29.3140, 34.0472, 68.7424)

Have a look what the booklet for
XYZ(29.3140, 34.0472, 68.7424)
contains.

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Color

**XYZ(29.2535, 33.9213,
68.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	52A6D6
RGB	82, 166, 214
RGB Percent	32%, 65%, 84%
CMY	0.6784, 0.3490, 0.1608
CMYK	0.62, 0.22, 0.00, 0.16
HSL	202°, 62%, 58%
HSV	202°, 62%, 84%
XYZ	29.2535, 33.9213, 68.6240
YIQ	146.3560, -65.4720, -2.8800

Conversions

Conversions Part 2

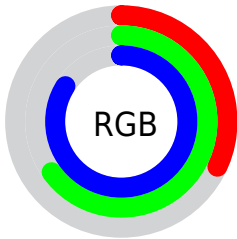
Format	Color
R _Y B	82, 133, 214
Decimal	5416662
CIE Lab	64.90, -11.12, -31.99
CIE LCh	65, 33.871, 250.830
Yxy	33.9213, 0.2220, 0.2574
Android (android.graphics.Color)	4283606742 (0xFF52A6D6)
YUV	146.3560, 33.3485, -56.4402
Hunter-Lab	58.2420, -12.2674, -29.0894

Details

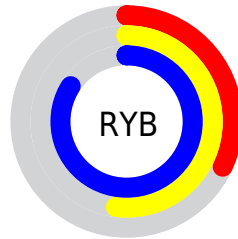
The XYZ color **29.2535, 33.9213, 68.6240** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **37.2385, 30.8725, 11.9804**, and the grayscale version is **27.3555, 28.7801, 31.3416**.

A 20% lighter version of the original color is **55.0618, 64.6837, 104.1909**, and **12.2753, 14.5378, 34.9600** is the 20% darker color. If you saturate the color by 10%, you get **26.3026, 30.3637, 68.0935**, and if you desaturate by 10%, it is **32.8725, 37.9516, 69.2118**.

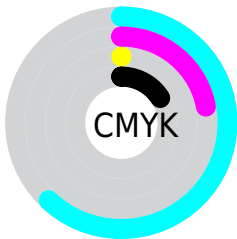
Distribution



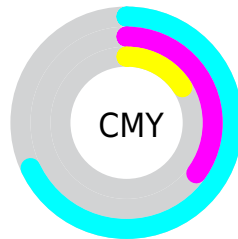
- Red (32%)
- Green (65%)
- Blue (84%)



- Red (32%)
- Yellow (52%)
- Blue (84%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)



- Cyan (68%)
- Magenta (35%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2535, 33.9213, 68.6240 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 29.2535, 33.9213, 68.6240 by changing the saturation by 10% instead.

■ 29.2535, 33.9213,
68.6240

■ 29.2535, 33.9213,
68.6240

290.3818,
319.7810, 474.3617

■ 19.4179, 22.8331,
49.9357

■ 57.8744, 65.8113,
118.9070

■ 12.0784, 14.4704,
34.9915

■ 77.3904, 87.3819,
151.3388

■ 6.8697, 8.4485,
23.3728

■ 100.8639,
113.2154, 189.1889

■ 3.4263, 4.3833,
14.6612

■ 128.6603,
143.6963, 232.8757

■ 1.3830, 1.8902,
8.4379

161.1450,
179.2089, 282.8178

■ 0.2441, 0.5425,
4.2847

198.6832,

■ 0.0000, 0.0000,

220.1376, 339.4339

1.7828

241.6404,
266.8668, 403.1423

■ 0.0000, 0.0000,
0.4166

■ 0.0000, 0.0000,
0.0000

■ 29.2535, 33.9213,
68.6240

■ 29.2535, 33.9213,
68.6240

■ 26.3026, 30.3637,
68.0935

■ 32.8725, 37.9516,
69.2118

■ 23.9587, 27.2433,
67.6147

■ 37.2064, 42.4791,
69.8573

■ 22.1545, 24.5237,
67.1849

■ 42.3013, 47.5304,
70.5638

■ 20.9674, 22.5144,
66.8596

■ 48.1986, 53.1286,
71.3335

■ 54.9363, 59.2956,
72.1688

■ 62.5498, 66.0516,
73.0715

■ 71.0725, 73.4156,
74.0437

■ 80.5361, 81.4059,
75.0872

■ 83.3848, 86.1293,
75.8488

Harmonies

Analogous

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



25.6421, 33.9213, 57.4674



29.2535, 33.9213, 68.6240



34.0389, 33.9213, 70.1660

Triad

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



29.2535, 33.9213, 68.6240



42.3772, 33.9213, 32.1060



26.4804, 33.9213, 20.0873

Complementary

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



29.2535, 33.9213, 68.6240



37.2385, 30.8725, 11.9804

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.



30.5079, 33.9213, 16.3092



29.2535, 33.9213, 68.6240



39.8852, 33.9213, 21.9877

Square

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



29.2535, 33.9213, 68.6240



41.9543, 33.9213, 46.4931



35.4257, 33.9213, 16.9035



24.1564, 33.9213, 28.7850

Rectangle

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



29.2535, 33.9213, 68.6240



37.2997, 33.9213, 65.1914



35.4257, 33.9213, 16.9035



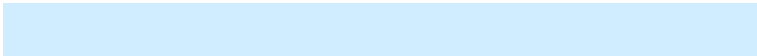
27.6620, 33.9213, 18.3129

Sweetspot

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



29.2547, 33.9225, 68.6248



74.0513, 81.2102, 106.3800



31.4369, 51.4517, 28.7672



15.2616, 16.8362, 22.6953



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.



29.2547, 33.9225, 68.6248



37.9562, 43.6670, 101.0358



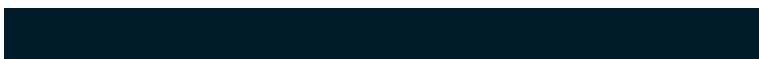
20.3504, 16.1140, 65.6567



12.3948, 13.3131, 15.8539



12.7754, 13.8125, 40.4459



0.8480, 0.9880, 2.4653

Inverse Universe

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



37.6328, 23.0852, 38.5499



52.1092, 28.7530, 49.4701



48.5919, 53.5791, 15.7648



12.7525, 12.5525, 14.6368



19.5073, 9.7392, 15.2412



1.2157, 0.6031, 1.1251

Previews

White Background



This preview shows how the XYZ color 29.2535, 33.9213, 68.6240 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 29.2535, 33.9213, 68.6240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

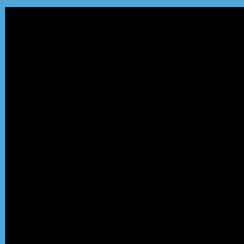
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

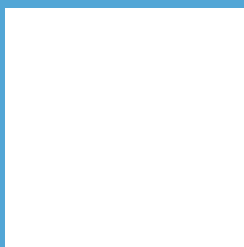
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2535, 33.9213, 68.6240

Background



This preview shows how black text looks on a background with the XYZ color 29.2535, 33.9213, 68.6240.

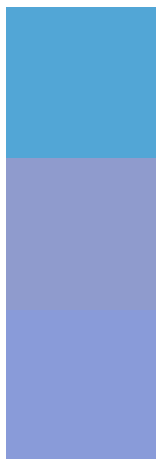


This preview shows how white text looks on a background with the XYZ color 29.2535, 33.9213,

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

29.2535, 33.9213, 68.6240

Protanopia

34.0685, 33.6901, 62.4648

Deuteranopia

34.5623, 33.7708, 70.3424



Tritanopia

25.7038, 33.8575, 51.0794

Trichromacy



Original Color

29.2535, 33.9213, 68.6240

Protanomaly

31.6685, 33.4153, 64.4552

Deuteranomaly

32.1289, 33.5360, 69.7455

Tritanomaly

26.8994, 33.7779, 57.3266

Monochromacy



Original Color

29.2535, 33.9213, 68.6240

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.9103, 29.9337, 42.8875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2535, 33.9213, 68.6240 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(82, 166, 214)` looks like.

```
.text, #text, p{  
    color:rgb(82, 166, 214)  
}
```

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(82, 166, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 166, 214) }
```

Border

The CSS property to change the border of an element to XYZ 29.2535, 33.9213, 68.6240 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(82, 166, 214) }
```


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

```
.border{ border-color:rgb(82, 166, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 166, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 166, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 166, 214);  
box-shadow:4px 4px 4px 4px rgb(82, 166,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2535, 33.9213, 68.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 166, 214) }
```

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

```
.background{ background-color: rgb(82, 166,  
214) }
```

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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