

Converting Colors

XYZ(29.2250, 32.9614, 58.1293)

Have a look what the booklet for
XYZ(29.2250, 32.9614, 58.1293)
contains.

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Color

**XYZ(29.2977, 33.1060,
58.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	6CA2C6
RGB	108, 162, 198
RGB Percent	42%, 64%, 78%
CMY	0.5765, 0.3647, 0.2235
CMYK	0.45, 0.18, 0.00, 0.22
HSL	204°, 44%, 60%
HSV	204°, 45%, 78%
XYZ	29.2977, 33.1060, 58.2720
YIQ	149.9580, -43.7400, -0.2520

Conversions

Conversions Part 2

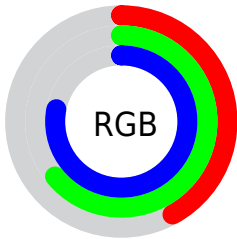
Format	Color
R _Y B	108, 142, 198
Decimal	7119558
CIE Lab	64.25, -8.14, -24.02
CIE LCh	64, 25.363, 251.290
Yxy	33.1060, 0.2428, 0.2743
Android (android.graphics.Color)	4285309638 (0xFF6CA2C6)
YUV	149.9580, 23.6847, -36.7972
Hunter-Lab	57.5378, -9.8007, -19.7701

Details

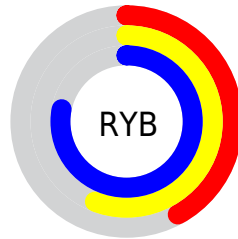
The XYZ color **29.2977, 33.1060, 58.2720** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.9696, 33.0359, 18.6692**, and the grayscale version is **28.8886, 30.3930, 33.0980**.

A 20% lighter version of the original color is **57.9671, 64.6322, 104.0278**, and **12.0261, 13.8955, 28.4338** is the 20% darker color. If you saturate the color by 10%, you get **25.8062, 29.3004, 57.7221**, and if you desaturate by 10%, it is **33.4260, 37.3717, 58.8784**.

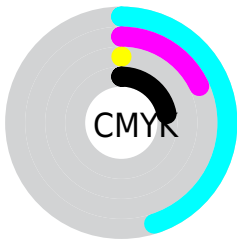
Distribution



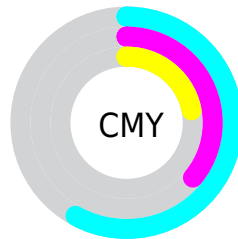
- Red (42%)
- Green (64%)
- Blue (78%)



- Red (42%)
- Yellow (56%)
- Blue (78%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (58%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2977, 33.1060, 58.2720 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 29.2977, 33.1060, 58.2720 by changing the saturation by 10% instead.

■ 29.2977, 33.1060,
58.2720

■ 29.2977, 33.1060,
58.2720

290.5859,
316.1271, 435.8252

■ 19.4516, 22.2077,
41.6112

■ 57.9440, 64.5410,
103.8375

■ 12.1029, 14.0096,
28.4737

■ 77.4749, 85.8464,
133.5794

■ 6.8865, 8.1273,
18.4409

■ 100.9648,
111.3897, 168.5186

■ 3.4369, 4.1765,
11.0943

■ 128.7790,
141.5552, 209.0738

■ 1.3888, 1.7728,
6.0153

161.2828,
176.7272, 255.6636

■ 0.2482, 0.4701,
2.7855

198.8417,

■ 0.0000, 0.0000,

217.2903, 308.7064

0.9862

241.8209,
263.6288, 368.6207

■ 0.0000, 0.0000,
0.0000

■ 29.2977, 33.1060,
58.2720

■ 29.2977, 33.1060,
58.2720

■ 25.8062, 29.3004,
57.7221

■ 33.4260, 37.3717,
58.8784

■ 22.9093, 25.9288,
57.2240

■ 38.2235, 42.1145,
59.5410

■ 20.5641, 22.9671,
56.7759

■ 43.7240, 47.3547,
60.2625

■ 18.7200, 20.3869,
56.3751

■ 49.9579, 53.1102,
61.0449

■ 17.3150, 18.1536,
56.0181

■ 56.9539, 59.3980,
61.8898

■ 16.7664, 17.2237,
55.8675

■ 64.7389, 66.2340,
62.7990

■ 73.3386, 73.6336,
63.7740

■ 78.4564, 79.3837,
64.6141

■ 80.6520, 83.7749,
65.3460

Harmonies

Analogous

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



26.5466, 33.1060, 50.7743



29.2977, 33.1060, 58.2720



32.8410, 33.1060, 59.1913

Triad

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



29.2977, 33.1060, 58.2720



38.7541, 33.1060, 32.3033



27.1161, 33.1060, 23.1090

Complementary

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



29.2977, 33.1060, 58.2720



35.9696, 33.0359, 18.6692

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.



30.1304, 33.1060, 19.8918



29.2977, 33.1060, 58.2720



36.9591, 33.1060, 24.4841

Square

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



29.2977, 33.1060, 58.2720



38.4883, 33.1060, 42.7871



33.7393, 33.1060, 20.3419



25.3549, 33.1060, 30.0544

Rectangle

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



29.2977, 33.1060, 58.2720



35.2000, 33.1060, 55.7796



33.7393, 33.1060, 20.3419



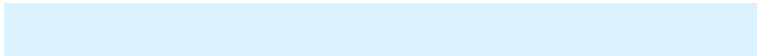
28.0064, 33.1060, 21.6215

Sweetspot

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



29.2988, 33.1073, 58.2728



78.7263, 85.0717, 106.8789



31.2995, 45.5451, 32.9310



16.3631, 17.7521, 22.8140



0.0000, 0.0000, 0.0000



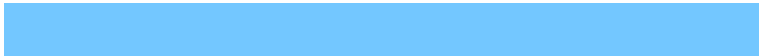
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.2988, 33.1073, 58.2728



45.4880, 51.6491, 102.1795



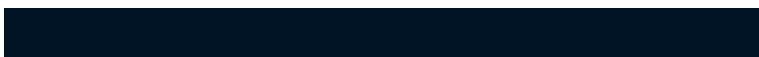
22.9159, 20.3415, 56.1452



10.5770, 11.3281, 13.5466



10.9891, 11.3721, 36.3602



0.5898, 0.6775, 1.7448

Inverse Universe

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



35.1738, 25.3406, 37.2210



57.6395, 37.5834, 58.1888



43.8728, 48.8424, 21.3037



10.8965, 10.7420, 12.4384



17.3461, 8.6880, 12.2984



0.8564, 0.4254, 0.7670

Previews

White Background



This preview shows how the XYZ color 29.2977, 33.1060, 58.2720 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 29.2977, 33.1060, 58.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

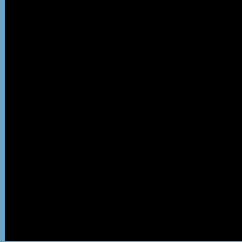
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2977, 33.1060, 58.2720

Background



This preview shows how black text looks on a background with the XYZ color 29.2977, 33.1060, 58.2720.

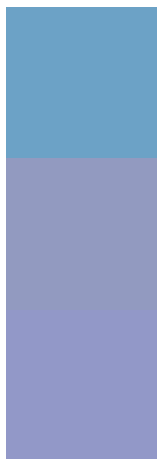


This preview shows how white text looks on a background with the XYZ color 29.2977, 33.1060,

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

29.2977, 33.1060, 58.2720

Protanopia

32.9241, 33.0280, 54.5089

Deuteranopia

33.5076, 32.7376, 59.1965



Tritanopia

27.0713, 32.9897, 47.5887

Trichromacy



Original Color

29.2977, 33.1060, 58.2720

Protanomaly

31.3103, 32.9145, 55.7418

Deuteranomaly

31.7130, 32.8060, 58.6936

Tritanomaly

27.8473, 33.0391, 51.3639

Monochromacy



Original Color

29.2977, 33.1060, 58.2720

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5223, 31.0521, 41.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2977, 33.1060, 58.2720 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(108, 162, 198)` looks like.

```
.text, #text, p{  
    color:rgb(108, 162, 198)  
}
```

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(108, 162, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 162, 198) }
```

Border

The CSS property to change the border of an element to XYZ 29.2977, 33.1060, 58.2720 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(108, 162, 198) }
```


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

```
.border{ border-color:rgb(108, 162, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 162, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 162, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 162, 198);  
box-shadow:4px 4px 4px 4px rgb(108, 162,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2977, 33.1060, 58.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 162, 198) }
```

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

```
.background{ background-color: rgb(108,  
162, 198) }
```

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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