

Converting Colors

XYZ(29.7190, 34.2530, 57.4788)

Have a look what the booklet for
XYZ(29.7190, 34.2530, 57.4788)
contains.

XYZ(29.6033, 34.0839, 57.2432)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6033, 34.0839,
57.2432)**

Conversions

Conversions Part 1

Format	Color
Hex	6CA5C4
RGB	108, 165, 196
RGB Percent	42%, 65%, 77%
CMY	0.5765, 0.3529, 0.2314
CMYK	0.45, 0.16, 0.00, 0.23
HSL	201°, 43%, 60%
HSV	201°, 45%, 77%
XYZ	29.6033, 34.0839, 57.2432
YIQ	151.4910, -43.9230, -2.4430

Conversions

Conversions Part 2

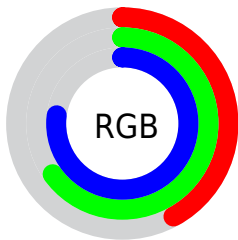
Format	Color
R _Y B	108, 143, 196
Decimal	7120324
CIE Lab	65.03, -10.34, -21.71
CIE LCh	65, 24.048, 244.539
Yxy	34.0839, 0.2448, 0.2818
Android (android.graphics.Color)	4285310404 (0xFF6CA5C4)
YUV	151.4910, 21.9429, -38.1416
Hunter-Lab	58.3814, -11.6560, -17.2671

Details

The XYZ color **29.6033, 34.0839, 57.2432** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.7053, 31.2847, 18.3979**, and the grayscale version is **29.5491, 31.0879, 33.8547**.

A 20% lighter version of the original color is **58.4271, 66.0648, 102.6008**, and **12.2558, 14.5201, 27.7479** is the 20% darker color. If you saturate the color by 10%, you get **26.2704, 30.5673, 56.7407**, and if you desaturate by 10%, it is **33.5415, 38.0138, 57.7948**.

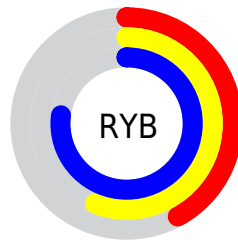
Distribution



Red (42%)

Green (65%)

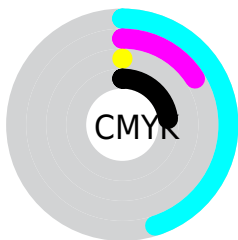
Blue (77%)



Red (42%)

Yellow (56%)

Blue (77%)

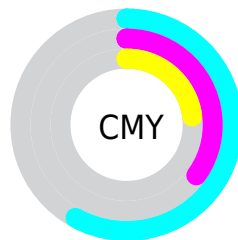


Cyan (45%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (58%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6033, 34.0839, 57.2432 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 29.6033, 34.0839, 57.2432 by changing the saturation by 10% instead.

■ 29.6033, 34.0839,
57.2432

■ 29.6033, 34.0839,
57.2432

291.9941,
320.5060, 431.8792

■ 19.6843, 22.9581,
40.7899

■ 58.4252, 66.0641,
102.3238

■ 12.2727, 14.5625,
27.8365

■ 78.0588, 87.6873,
131.7882

■ 7.0032, 8.5130,
17.9645

■ 101.6612,
113.5784, 166.4266

■ 3.5104, 4.4249,
10.7553

■ 129.5979,
144.1217, 206.6577

■ 1.4291, 1.9140,
5.7904

162.2341,
179.7018, 252.9000

■ 0.2768, 0.5568,
2.6514

199.9354,

■ 0.0000, 0.0000,

220.7029, 305.5720

0.9188

243.0669,
267.5095, 365.0922

■ 0.0000, 0.0000,
0.0000

■ 29.6033, 34.0839,
57.2432

■ 29.6033, 34.0839,
57.2432

■ 26.2704, 30.5673,
56.7407

■ 33.5415, 38.0138,
57.7948

■ 23.5021, 27.4392,
56.2828

■ 38.1156, 42.3723,
58.3950

■ 21.2575, 24.6778,
55.8681

■ 43.3582, 47.1781,
59.0463

■ 19.4883, 22.2565,
55.4940

■ 49.2983, 52.4478,
59.7504

■ 18.1358, 20.1434,
55.1574

■ 55.9633, 58.1970,
60.5088

■ 17.5476, 19.1530,
54.9973

■ 63.3791, 64.4403,
61.3230

■ 71.5701, 71.1917,
62.1944

■ 76.8598, 76.5573,
62.9513

■ 78.7122, 80.2620,
63.5688

Harmonies

Analogous

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



27.1902, 34.0839, 49.0721



29.6033, 34.0839, 57.2432



32.9282, 34.0839, 59.6816

Triad

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



29.6033, 34.0839, 57.2432



39.5347, 34.0839, 35.6155



28.7480, 34.0839, 23.4577

Complementary

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



29.6033, 34.0839, 57.2432



34.7053, 31.2847, 18.3979

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.



31.8691, 34.0839, 21.0979



29.6033, 34.0839, 57.2432



38.2265, 34.0839, 27.2719

Square

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



29.6033, 34.0839, 57.2432



38.8209, 34.0839, 45.9750



35.3585, 34.0839, 22.3583



26.7218, 34.0839, 29.4674

Rectangle

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



29.6033, 34.0839, 57.2432



35.2551, 34.0839, 57.4174



35.3585, 34.0839, 22.3583



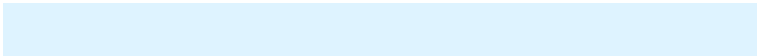
29.6953, 34.0839, 22.2654

Sweetspot

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



29.6044, 34.0852, 57.2440



80.2754, 87.0202, 107.1734



30.5709, 44.5271, 31.3341



16.6931, 18.1859, 22.8804



0.0000, 0.0000, 0.0000



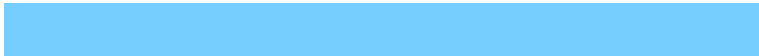
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6044, 34.0852, 57.2440



47.6166, 55.4029, 102.7919



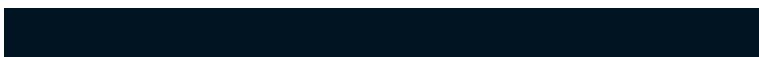
23.0109, 20.8983, 55.0462



10.0603, 10.8119, 12.8415



11.3584, 12.4732, 35.3655



0.5535, 0.6645, 1.5490

Inverse Universe

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



34.9200, 25.1786, 38.6180



58.8368, 38.5328, 63.0434



42.3648, 46.6039, 20.9511



10.3417, 10.1853, 11.8902



17.1291, 8.5414, 13.8580



0.7718, 0.3817, 0.7656

Previews

White Background



This preview shows how the XYZ color 29.6033, 34.0839, 57.2432 looks on a white background.

Color Contrast Check

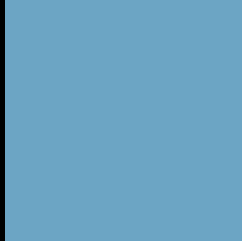
Large Text (above 18pt) WCAG AA × Fail

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 29.6033, 34.0839, 57.2432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

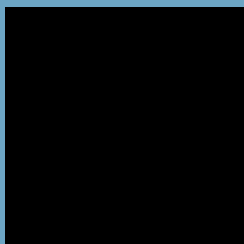
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

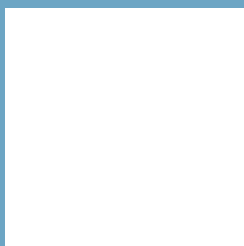
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6033, 34.0839, 57.2432

Background



This preview shows how black text looks on a background with the XYZ color 29.6033, 34.0839, 57.2432.

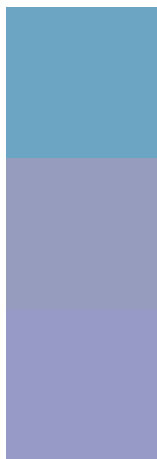


This preview shows how white text looks on a background with the XYZ color 29.6033, 34.0839,

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

29.6033, 34.0839, 57.2432

Protanopia

33.7604, 33.9787, 53.4944

Deuteranopia

34.5111, 33.7677, 58.1250



Tritanopia

28.0520, 34.2845, 48.8551

Trichromacy



Original Color

29.6033, 34.0839, 57.2432

Protanomaly

31.9042, 33.7529, 54.7026

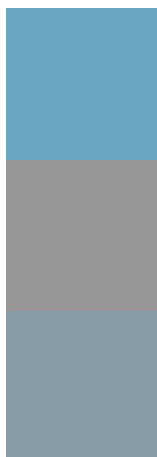
Deuteranomaly

32.2966, 33.6358, 57.6135

Tritanomaly

28.5073, 34.1859, 51.5504

Monochromacy



Original Color

29.6033, 34.0839, 57.2432

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.8552, 31.7179, 41.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6033, 34.0839, 57.2432 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, 165, 196)` looks like.

```
.text, #text, p{  
    color:rgb(108, 165, 196)  
}
```

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, 165, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 165, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.6033, 34.0839, 57.2432 is called "border". The border property can be set on classes, ids or directly on the HTML element.

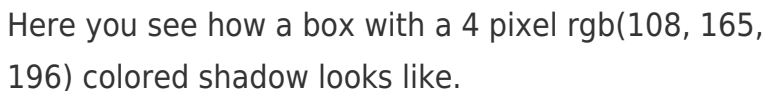
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 165, 196) }
```


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

```
.border{ border-color:rgb(108, 165, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 165, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 165, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 165, 196); box-shadow:4px 4px 4px 4px rgb(108, 165, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6033, 34.0839, 57.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 165, 196) }
```

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

```
.background{ background-color: rgb(108,  
165, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor