

# Converting Colors

XYZ(28.6607, 33.0751, 58.9779)

Have a look what the booklet for  
XYZ(28.6607, 33.0751, 58.9779)  
contains.

<b>XYZ(28.6615, 33.0272, 58.8971)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(28.6615, 33.0272,  
58.8971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64A3C7
RGB	100, 163, 199
RGB Percent	39%, 64%, 78%
CMY	0.6078, 0.3608, 0.2196
CMYK	0.50, 0.18, 0.00, 0.22
HSL	202°, 47%, 59%
HSV	202°, 50%, 78%
XYZ	28.6615, 33.0272, 58.8971
YIQ	148.2670, -49.1040, -2.1600

# Conversions

## Conversions Part 2

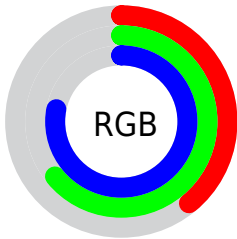
Format	Color
<a href="#">RYB</a>	<a href="#">100, 139, 199</a>
Decimal	<a href="#">6595527</a>
CIELab	<a href="#">64.18, -10.32, -24.71</a>
CIELCh	<a href="#">64, 26.781, 247.326</a>
Yxy	<a href="#">33.0272, 0.2377, 0.2739</a>
Android (android.graphics.Color)	<a href="#">4284785607</a> ( <a href="#">0xFF64A3C7</a> )
YUV	<a href="#">148.2670, 25.0114, -42.3302</a>
Hunter-Lab	<a href="#">57.4693, -11.5485, -20.5345</a>

# Details

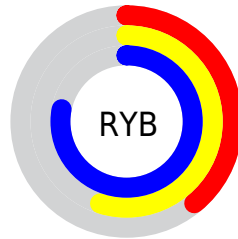
The XYZ color **28.6615, 33.0272, 58.8971** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.6585, 30.6716, 16.1512**, and the grayscale version is **28.1742, 29.6414, 32.2795**.

A 20% lighter version of the original color is **56.8317, 64.4307, 104.0488**, and **11.7097, 13.8846, 28.8509** is the 20% darker color. If you saturate the color by 10%, you get **25.4753, 29.5321, 58.3910**, and if you desaturate by 10%, it is **32.4610, 36.9489, 59.4544**.

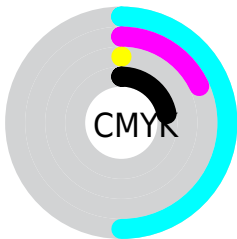
# Distribution



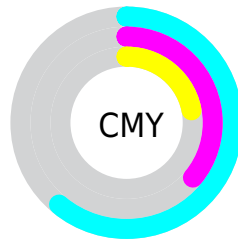
- Red (39%)
- Green (64%)
- Blue (78%)



- Red (39%)
- Yellow (55%)
- Blue (78%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (36%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6615, 33.0272, 58.8971 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 28.6615, 33.0272, 58.8971 by changing the saturation by 10% instead.



■ 28.6615, 33.0272,  
58.8971

■ 28.6615, 33.0272,  
58.8971

287.6376,  
315.7723, 438.2117

■ 18.9679, 22.1473,  
42.1108

■ 56.9401, 64.4180,  
104.7557

■ 11.7509, 13.9652,  
28.8619

■ 76.2559, 85.6977,  
134.6652

■ 6.6453, 8.0964,  
18.7317

■ 99.5097, 111.2127,  
169.7861

■ 3.2856, 4.1567,  
11.3017

■ 127.0670,  
141.3475, 210.5371

■ 1.3066, 1.7616,  
6.1534

159.2930,  
176.4865, 257.3365

■ 0.1881, 0.4631,  
2.8683

196.5532,

■ 0.0000, 0.0000,

217.0140, 310.6031

1.0278

239.2130,  
263.3145, 370.7553

■ 0.0000, 0.0000,  
0.0000

■ 28.6615, 33.0272,  
58.8971

■ 28.6615, 33.0272,  
58.8971

■ 25.4753, 29.5321,  
58.3910

■ 32.4610, 36.9489,  
59.4544

■ 22.8580, 26.4370,  
57.9316

■ 36.9074, 41.3144,  
60.0627

■ 20.7641, 23.7172,  
57.5169

■ 42.0358, 46.1441,  
60.7246

■ 19.1387, 21.3426,  
57.1443

■ 47.8776, 51.4559,  
61.4420

■ 17.8815, 19.2593,  
56.8084

■ 54.4622, 57.2666,  
62.2165

■ 17.8516, 19.2089,  
56.8002

■ 61.8170, 63.5919,  
63.0498

■ 69.9685, 70.4471,  
63.9434

■ 77.3772, 77.0401,  
64.8255

■ 79.3280, 80.9417,  
65.4757

# Harmonies

## Analogous

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



25.9387, 33.0272, 50.1798



28.6615, 33.0272, 58.8971



32.3311, 33.0272, 60.9273

# Triad

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



28.6615, 33.0272, 58.8971



39.1996, 33.0272, 33.3614



27.1713, 33.0272, 21.7707

# Complementary

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



28.6615, 33.0272, 58.8971



34.6585, 30.6716, 16.1512

# 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.



30.4700, 33.0272, 18.9602



28.6615, 33.0272, 58.8971



37.5591, 33.0272, 24.7191

# Square

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



28.6615, 33.0272, 58.8971



38.6176, 33.0272, 44.6340



34.2893, 33.0272, 19.9188



25.1280, 33.0272, 28.4913



# Rectangle

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



28.6615, 33.0272, 58.8971



34.8618, 33.0272, 57.9067



34.2893, 33.0272, 19.9188



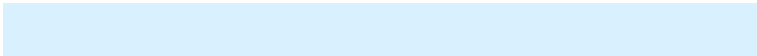
28.1593, 33.0272, 20.4062

# Sweetspot

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



28.6626, 33.0284, 58.8979



78.0733, 84.8979, 106.8798



30.0285, 45.2964, 29.9543



16.2517, 17.7519, 22.8199



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.



28.6626, 33.0284, 58.8979



44.0368, 51.0594, 102.1422



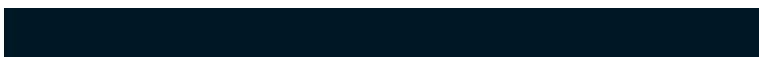
21.6790, 19.0613, 56.5700



10.6099, 11.3938, 13.5575



11.5645, 12.5230, 36.5520



0.6147, 0.7272, 1.7531



# Inverse Universe

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



34.7221, 23.9019, 37.4350



56.3425, 34.9032, 58.0222



43.0259, 47.4064, 18.9404



10.9131, 10.7486, 12.5257



17.6366, 8.8042, 13.8280



0.8690, 0.4304, 0.8332



# Previews

## White Background



This preview shows how the XYZ color 28.6615, 33.0272, 58.8971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

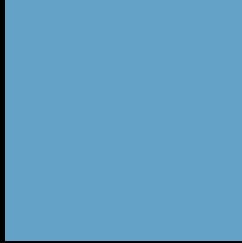
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.6615, 33.0272, 58.8971 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 28.6615, 33.0272, 58.8971**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6615, 33.0272, 58.8971.



This preview shows how white text looks on a background with the XYZ color 28.6615, 33.0272,



# 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

28.6615, 33.0272, 58.8971

### Protanopia

32.7597, 32.6992, 54.4541

### Deuteranopia

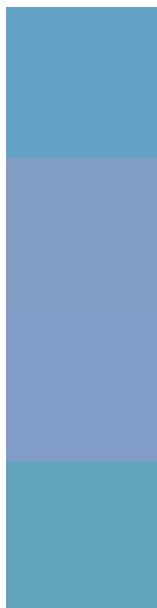
33.4479, 32.6933, 59.8059



## **Tritanopia**

26.4905, 32.9474, 48.1433

# Trichromacy



## Original Color

28.6615, 33.0272, 58.8971

## Protanomaly

30.9606, 32.7212, 56.3138

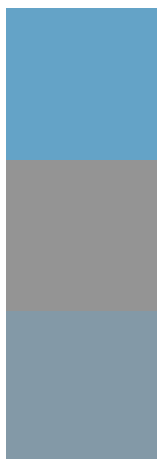
## Deuteranomaly

31.3671, 32.6142, 59.2855

## Tritanomaly

27.2486, 32.9849, 51.9443

# Monochromacy



## Original Color

28.6615, 33.0272, 58.8971

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

27.7264, 30.3978, 40.9652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6615, 33.0272, 58.8971 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(100, 163, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 163, 199)  
}
```

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(100, 163, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 163, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6615, 33.0272, 58.8971 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(100, 163, 199) }
```



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

```
.border{ border-color:rgb(100, 163, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 163, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 163, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 163, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 163,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6615, 33.0272, 58.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 163, 199) }
```

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

```
.background{ background-color: rgb(100,  
163, 199) }
```

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