

# Converting Colors

XYZ(29.1814, 36.2151, 58.1568)

Have a look what the booklet for  
XYZ(29.1814, 36.2151, 58.1568)  
contains.

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# Color

**XYZ(29.3339, 36.4272,  
58.3084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59AEC5
RGB	89, 174, 197
RGB Percent	35%, 68%, 77%
CMY	0.6510, 0.3176, 0.2274
CMYK	0.55, 0.12, 0.00, 0.23
HSL	193°, 48%, 56%
HSV	193°, 55%, 77%
XYZ	29.3339, 36.4272, 58.3084
YIQ	151.2070, -58.0430, -10.8670

# Conversions

## Conversions Part 2

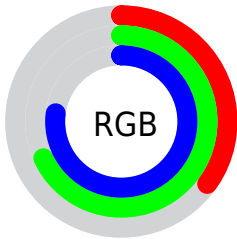
Format	Color
R <sub>Y</sub> B	89, 137, 197
Decimal	5877445
CIE Lab	66.85, -19.20, -19.58
CIE LCh	67, 27.418, 225.561
Yxy	36.4272, 0.2364, 0.2936
Android (android.graphics.Color)	4284067525 (0xFF59AEC5)
YUV	151.2070, 22.5759, -54.5555
Hunter-Lab	60.3550, -18.8660, -15.0311

# Details

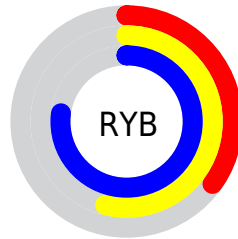
The XYZ color **29.3339, 36.4272, 58.3084** is a light color, and the websafe version is hex **669999**. The color can be described as light muted azure. A complement of this color would be **30.6241, 24.1808, 12.5055**, and the grayscale version is **29.4292, 30.9619, 33.7175**.

A 20% lighter version of the original color is **58.2188, 69.9524, 104.1996**, and **12.0639, 15.7964, 28.3998** is the 20% darker color. If you saturate the color by 10%, you get **26.8928, 33.9850, 57.9663**, and if you desaturate by 10%, it is **32.3084, 39.1835, 58.6843**.

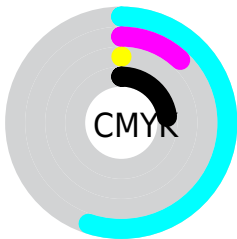
# Distribution



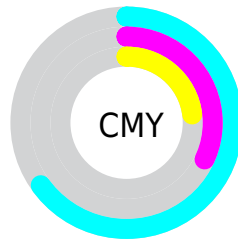
- Red (35%)
- Green (68%)
- Blue (77%)



- Red (35%)
- Yellow (54%)
- Blue (77%)



- Cyan (55%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)



- Cyan (65%)
- Magenta (32%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3339, 36.4272, 58.3084 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 29.3339, 36.4272, 58.3084 by changing the saturation by 10% instead.



■ 29.3339, 36.4272,  
58.3084

■ 29.3339, 36.4272,  
58.3084

290.7530,  
330.8239, 435.9644

■ 19.4791, 24.7643,  
41.6403

■ 58.0011, 69.6909,  
103.8910

■ 12.1230, 15.9015,  
28.4963

■ 77.5441, 92.0606,  
133.6426

■ 6.9003, 9.4545,  
18.4578

■ 101.0474,  
118.7679, 168.5925

■ 3.4456, 5.0388,  
11.1063

■ 128.8761,  
150.1973, 209.1591

■ 1.3936, 2.2701,  
6.0233

161.3956,  
186.7333, 255.7611

■ 0.2516, 0.7578,  
2.7903

198.9714,

■ 0.0000, 0.0000,

228.7601, 308.8170

0.9886

241.9688,  
276.6622, 368.7452

■ 0.0000, 0.0000,  
0.0000

■ 29.3339, 36.4272,  
58.3084

■ 29.3339, 36.4272,  
58.3084

■ 26.8928, 33.9850,  
57.9663

■ 32.3084, 39.1835,  
58.6843

■ 24.9400, 31.8311,  
57.6535

■ 35.8499, 42.2692,  
59.0932

■ 23.4287, 29.9417,  
57.3685

■ 39.9931, 45.7033,  
59.5377

■ 22.3005, 28.2863,  
57.1084

■ 44.7688, 49.5021,  
60.0193

■ 21.8077, 27.4903,  
56.9807

■ 50.2059, 53.6807,  
60.5392

■ 56.3312, 58.2533,  
61.0990

■ 63.1702, 63.2333,  
61.6998

■ 70.7468, 68.6335,  
62.3428

■ 74.8016, 72.2582,  
62.8287

# Harmonies

## Analogous

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



27.4943, 36.4272, 46.1114



29.3339, 36.4272, 58.3084



32.6722, 36.4272, 66.1487

# Triad

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



29.3339, 36.4272, 58.3084



42.9348, 36.4272, 45.6352



32.5272, 36.4272, 21.4777

# Complementary

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



29.3339, 36.4272, 58.3084



30.6241, 24.1808, 12.5055

# 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.



36.6499, 36.4272, 21.4009



29.3339, 36.4272, 58.3084



42.8882, 36.4272, 33.8458

# Square

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



29.3339, 36.4272, 58.3084



40.6352, 36.4272, 57.9003



40.5124, 36.4272, 25.4879



29.2351, 36.4272, 25.7242



# Rectangle

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



29.3339, 36.4272, 58.3084



35.4016, 36.4272, 67.0159



40.5124, 36.4272, 25.4879



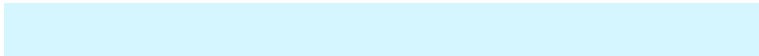
33.8558, 36.4272, 20.9966

# Sweetspot

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



29.3351, 36.4286, 58.3093



78.8906, 87.6474, 107.3674



26.9343, 43.1961, 21.8430



16.4901, 18.4482, 22.9417



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.



29.3351, 36.4286, 58.3093



47.3258, 59.9783, 103.6904



21.0850, 19.9284, 55.5592



10.7476, 11.6693, 13.6034



14.4063, 18.2065, 37.4993



0.7314, 0.9607, 1.7920



# Inverse Universe

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



34.2393, 22.0721, 42.5016



57.4312, 33.1508, 70.5001



38.2131, 39.3588, 15.0352



10.9826, 10.7764, 12.8919



19.0710, 9.3779, 21.3813

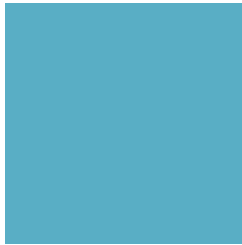


0.9279, 0.4540, 1.1435



# Previews

## White Background



This preview shows how the XYZ color 29.3339, 36.4272, 58.3084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

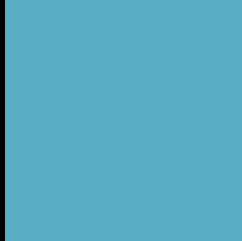
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.3339, 36.4272, 58.3084 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

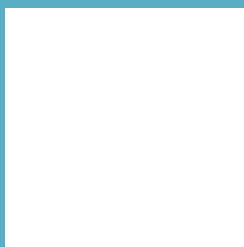
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.3339, 36.4272, 58.3084**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.3339, 36.4272, 58.3084.



This preview shows how white text looks on a background with the XYZ color 29.3339, 36.4272,



# 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

29.3339, 36.4272, 58.3084

### Protanopia

35.5525, 35.9406, 52.6404

### Deuteranopia

36.7527, 35.8930, 59.6345



## Tritanopia

28.3530, 36.3125, 53.6588

# Trichromacy



## Original Color

29.3339, 36.4272, 58.3084

## Protanomaly

32.3748, 35.5774, 54.4510

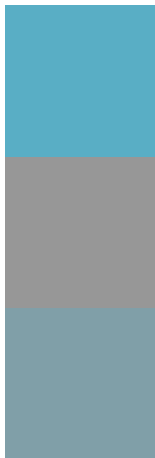
## Deuteranomaly

33.2571, 35.6610, 59.1633

## Tritanomaly

28.7749, 36.4920, 55.3962

# Monochromacy



## Original Color

29.3339, 36.4272, 58.3084

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

28.3681, 32.2126, 41.7683

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.3339, 36.4272, 58.3084 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(89, 174, 197)` looks like.

```
.text, #text, p{  
    color:rgb(89, 174, 197)  
}
```

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(89, 174, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 174, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 29.3339, 36.4272, 58.3084 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(89, 174, 197) }
```



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

```
.border{ border-color:rgb(89, 174, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 174, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 174, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 174, 197);  
box-shadow:4px 4px 4px 4px rgb(89, 174,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.3339, 36.4272, 58.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 174, 197) }
```

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

```
.background{ background-color: rgb(89, 174,  
197) }
```

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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