

Converting Colors

XYZ(28.0766, 32.9262, 58.9584)

Have a look what the booklet for
XYZ(28.0766, 32.9262, 58.9584)
contains.

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Color

**XYZ(28.0985, 33.0016,
58.9218)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA4C7
RGB	93, 164, 199
RGB Percent	36%, 64%, 78%
CMY	0.6353, 0.3569, 0.2196
CMYK	0.53, 0.18, 0.00, 0.22
HSL	200°, 49%, 57%
HSV	200°, 53%, 78%
XYZ	28.0985, 33.0016, 58.9218
YIQ	146.7610, -53.5510, -4.1670

Conversions

Conversions Part 2

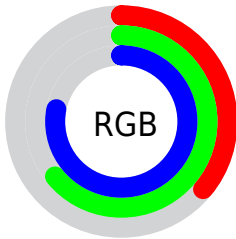
Format	Color
R_{YB}	93, 136, 199
Decimal	6137031
CIE _{Lab}	64.16, -12.44, -24.77
CIE _{LCh}	64, 27.720, 243.325
Yxy	33.0016, 0.2341, 0.2750
Android (android.graphics.Color)	4284327111 (0xFF5DA4C7)
YUV	146.7610, 25.7538, -47.1484
Hunter-Lab	57.4470, -13.2243, -20.5992

Details

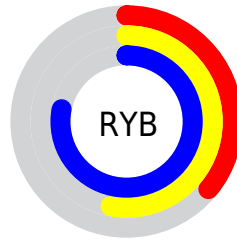
The XYZ color **28.0985, 33.0016, 58.9218** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.2492, 28.3720, 14.0811**, and the grayscale version is **27.5485, 28.9832, 31.5627**.

A 20% lighter version of the original color is **55.9592, 64.3671, 104.0825**, and **11.4117, 13.8939, 28.8684** is the 20% darker color. If you saturate the color by 10%, you get **25.1947, 29.8044, 58.4583**, and if you desaturate by 10%, it is **31.5893, 36.5929, 59.4316**.

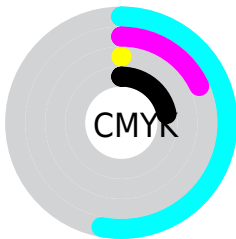
Distribution



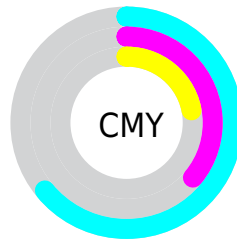
- Red (36%)
- Green (64%)
- Blue (78%)



- Red (36%)
- Yellow (53%)
- Blue (78%)



- Cyan (53%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (64%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0985, 33.0016, 58.9218 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 28.0985, 33.0016, 58.9218 by changing the saturation by 10% instead.

■ 28.0985, 33.0016,
58.9218

■ 28.0985, 33.0016,
58.9218

285.0088,
315.6569, 438.3059

■ 18.5408, 22.1277,
42.1306

■ 56.0492, 64.3780,
104.7920

■ 11.4409, 13.9507,
28.8772

■ 75.1729, 85.6493,
134.7081

■ 6.4337, 8.0864,
18.7432

■ 98.2159, 111.1552,
169.8361

■ 3.1537, 4.1503,
11.3099

■ 125.5437,
141.2800, 210.5948

■ 1.2356, 1.7580,
6.1589

157.5215,
176.4082, 257.4026

■ 0.1342, 0.4608,
2.8716

194.5147,

■ 0.0000, 0.0000,

216.9242, 310.6780

1.0294

236.8887,
263.2123, 370.8395

■ 0.0000, 0.0000,
0.0000

■ 28.0985, 33.0016,
58.9218

■ 28.0985, 33.0016,
58.9218

■ 25.1947, 29.8044,
58.4583

■ 31.5893, 36.5929,
59.4316

■ 22.8322, 26.9745,
58.0366

■ 35.7017, 40.5955,
59.9875

■ 20.9632, 24.4865,
57.6549

■ 40.4716, 45.0299,
60.5920

■ 19.5292, 22.3088,
57.3101

■ 45.9309, 49.9137,
61.2469

■ 18.7366, 20.9790,
57.0952

■ 52.1092, 55.2635,
61.9539

■ 59.0345, 61.0950,
62.7145

■ 66.7332, 67.4228,
63.5301

■ 75.2304, 74.2612,
64.4022

■ 77.9739, 78.2335,
65.0243

Harmonies

Analogous

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



25.4725, 33.0016, 49.1680



28.0985, 33.0016, 58.9218



31.8069, 33.0016, 62.1275

Triad

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



28.0985, 33.0016, 58.9218



39.5233, 33.0016, 34.6938



27.3997, 33.0016, 20.7260

Complementary

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



28.0985, 33.0016, 58.9218



33.2492, 28.3720, 14.0811

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.



30.9312, 33.0016, 18.3822



28.0985, 33.0016, 58.9218



38.1073, 33.0016, 25.3158

Square

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



28.0985, 33.0016, 58.9218



38.6080, 33.0016, 46.5395



34.8797, 33.0016, 19.8692



25.0933, 33.0016, 27.0746

Rectangle

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



28.0985, 33.0016, 58.9218



34.4521, 33.0016, 59.6678



34.8797, 33.0016, 19.8692



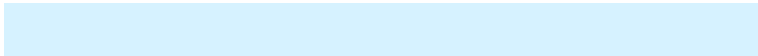
28.4719, 33.0016, 19.5115

Sweetspot

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



28.0996, 33.0028, 58.9226



77.4519, 84.7701, 106.8879



28.7412, 44.6959, 27.0447



16.1452, 17.7585, 22.8267



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.



28.0996, 33.0028, 58.9226



43.3567, 51.3111, 102.2266



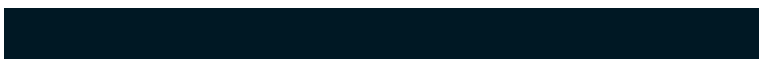
20.6663, 18.1363, 56.4448



10.6402, 11.4545, 13.5676



12.1309, 13.6558, 36.7408



0.6387, 0.7752, 1.7611

Inverse Universe

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



34.1693, 22.6523, 37.6946



55.6058, 33.1021, 58.7868



41.7637, 45.4012, 16.9193



10.9284, 10.7548, 12.6064



17.9225, 8.9185, 15.3334



0.8811, 0.4353, 0.8970

Previews

White Background



This preview shows how the XYZ color 28.0985, 33.0016, 58.9218 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 28.0985, 33.0016, 58.9218 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 28.0985, 33.0016, 58.9218

Background



This preview shows how black text looks on a background with the XYZ color 28.0985, 33.0016, 58.9218.

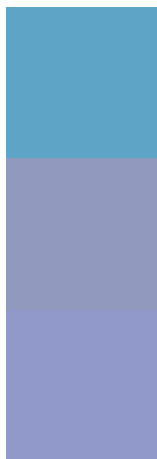


This preview shows how white text looks on a background with the XYZ color 28.0985, 33.0016,

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

28.0985, 33.0016, 58.9218

Protanopia

32.6493, 32.6550, 53.8725

Deuteranopia

33.5660, 32.7405, 60.4275



Tritanopia

25.9970, 32.9521, 48.7063

Trichromacy



Original Color

28.0985, 33.0016, 58.9218

Protanomaly

30.5470, 32.5210, 55.7061

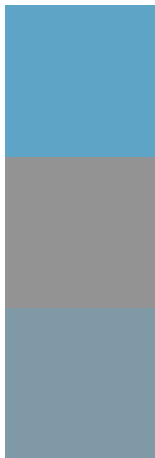
Deuteranomaly

31.0353, 32.4296, 59.8821

Tritanomaly

26.8331, 33.0271, 52.5376

Monochromacy



Original Color

28.0985, 33.0016, 58.9218

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.0266, 30.0477, 40.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0985, 33.0016, 58.9218 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(93, 164, 199)` looks like.

```
.text, #text, p{  
    color:rgb(93, 164, 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(93, 164, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 164, 199) }
```

Border

The CSS property to change the border of an element to XYZ 28.0985, 33.0016, 58.9218 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(93, 164, 199) }
```


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

```
.border{ border-color:rgb(93, 164, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 164, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 164, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 164, 199);  
box-shadow:4px 4px 4px 4px rgb(93, 164,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0985, 33.0016, 58.9218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 164, 199) }
```

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

```
.background{ background-color: rgb(93, 164,  
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](#).

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