

Converting Colors

XYZ(28.8374, 33.5391, 63.9853)

Have a look what the booklet for
XYZ(28.8374, 33.5391, 63.9853)
contains.

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Color

**XYZ(28.8374, 33.5391,
63.9853)**

Conversions

Conversions Part 1

Format	Color
Hex	59A5CF
RGB	89, 165, 207
RGB Percent	35%, 65%, 81%
CMY	0.6510, 0.3529, 0.1882
CMYK	0.57, 0.20, 0.00, 0.19
HSL	201°, 55%, 58%
HSV	201°, 57%, 81%
XYZ	28.8374, 33.5391, 63.9853
YIQ	147.0640, -58.7780, -3.0500

Conversions

Conversions Part 2

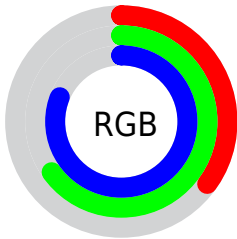
Format	Color
R _Y B	89, 135, 207
Decimal	5875151
CIE Lab	64.60, -11.42, -28.56
CIE LCh	65, 30.761, 248.216
Yxy	33.5391, 0.2282, 0.2654
Android (android.graphics.Color)	4284065231 (0xFF59A5CF)
YUV	147.0640, 29.5484, -50.9221
Hunter-Lab	57.9130, -12.4647, -24.9677

Details

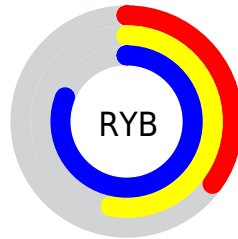
The XYZ color **28.8374, 33.5391, 63.9853** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **35.6526, 30.2205, 13.4064**, and the grayscale version is **27.6598, 29.1002, 31.6901**.

A 20% lighter version of the original color is **55.6758, 64.6094, 104.1442**, and **11.8686, 14.2203, 32.2562** is the 20% darker color. If you saturate the color by 10%, you get **25.8325, 30.0743, 63.4755**, and if you desaturate by 10%, it is **32.4795, 37.4474, 64.5484**.

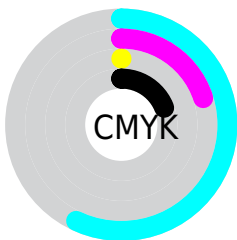
Distribution



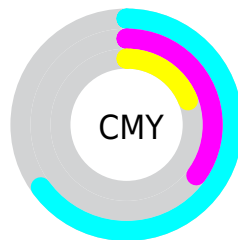
- Red (35%)
- Green (65%)
- Blue (81%)



- Red (35%)
- Yellow (53%)
- Blue (81%)



- Cyan (57%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8374, 33.5391, 63.9853 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 28.8374, 33.5391, 63.9853 by changing the saturation by 10% instead.

■ 28.8374, 33.5391,
63.9853

■ 28.8374, 33.5391,
63.9853

288.4551,
318.0720, 457.3426

■ 19.1015, 22.5397,
46.1927

■ 57.2180, 65.2163,
112.1890

■ 11.8481, 14.2540,
32.0481

■ 76.5934, 86.6629,
143.4372

■ 6.7118, 8.2976,
21.1331

■ 99.9127, 112.3608,
180.0076

■ 3.3272, 4.2859,
13.0292

■ 127.5413,
142.6942, 222.3189

■ 1.3291, 1.8348,
7.3177

159.8444,
178.0477, 270.7894

■ 0.2048, 0.5087,
3.5801

197.1875,

■ 0.0000, 0.0000,

218.8055, 325.8379

1.3979

239.9360,
265.3522, 387.8827

■ 0.0000, 0.0000,
0.1401

■ 0.0000, 0.0000,
0.0000

■ 28.8374, 33.5391,
63.9853

■ 28.8374, 33.5391,
63.9853

■ 25.8325, 30.0743,
63.4755

■ 32.4795, 37.4474,
64.5484

■ 23.4120, 27.0218,
63.0139

■ 36.7993, 41.8199,
65.1647

■ 21.5194, 24.3514,
62.5982

■ 41.8375, 46.6801,
65.8372

■ 20.0785, 22.0216,
62.2245

■ 47.6307, 52.0486,
66.5681

■ 19.6944, 21.3686,
62.1187

■ 54.2125, 57.9445,
67.3592

■ 61.6149, 64.3858,
68.2124

■ 69.8675, 71.3897,
69.1293

■ 78.9988, 78.9723,
70.1116

■ 81.1662, 83.0923,
70.7926

Harmonies

Analogous

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



25.6767, 33.5391, 53.6698



28.8374, 33.5391, 63.9853



33.1034, 33.5391, 66.1649

Triad

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



28.8374, 33.5391, 63.9853



41.0152, 33.5391, 33.1612



26.9210, 33.5391, 20.5857

Complementary

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



28.8374, 33.5391, 63.9853



35.6526, 30.2205, 13.4064

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.



30.6830, 33.5391, 17.3900



28.8374, 33.5391, 63.9853



39.0049, 33.5391, 23.4761

Square

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



28.8374, 33.5391, 63.9853



40.4057, 33.5391, 46.2783



35.1250, 33.5391, 18.3101



24.6433, 33.5391, 28.2372

Rectangle

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



28.8374, 33.5391, 63.9853



36.0516, 33.5391, 62.3285



35.1250, 33.5391, 18.3101



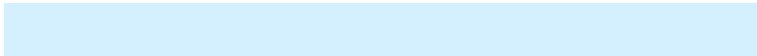
28.0395, 33.5391, 19.0455

Sweetspot

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



28.8385, 33.5403, 63.9861



76.1343, 83.2326, 106.6605



30.4831, 48.3701, 28.9559



15.8714, 17.4270, 22.7772



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.



28.8385, 33.5403, 63.9861



40.6272, 47.2604, 101.5886



20.6099, 17.0831, 61.2432



11.7896, 12.6695, 15.0677



12.5004, 13.6473, 39.1678



0.7723, 0.9099, 2.2145

Inverse Universe

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



36.0970, 23.1279, 38.1601



53.8843, 31.0973, 53.7791



45.7984, 50.5120, 16.7883



12.1247, 11.9346, 13.9325



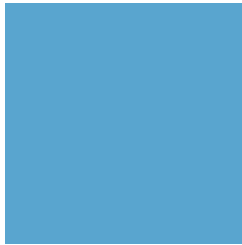
18.9403, 9.4490, 15.1238



1.0961, 0.5431, 1.0407

Previews

White Background



This preview shows how the XYZ color 28.8374, 33.5391, 63.9853 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 28.8374, 33.5391, 63.9853 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 28.8374, 33.5391, 63.9853

Background



This preview shows how black text looks on a background with the XYZ color 28.8374, 33.5391, 63.9853.



This preview shows how white text looks on a background with the XYZ color 28.8374, 33.5391,

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

28.8374, 33.5391, 63.9853

Protanopia

33.3660, 33.1640, 58.6755

Deuteranopia

34.1730, 33.4271, 65.6237



Tritanopia

25.9597, 33.4571, 49.8894

Trichromacy



Original Color

28.8374, 33.5391, 63.9853

Protanomaly

31.1997, 33.0031, 60.6029

Deuteranomaly

31.7615, 33.1947, 65.0548

Tritanomaly

27.0843, 33.6500, 54.9368

Monochromacy



Original Color

28.8374, 33.5391, 63.9853

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.3212, 30.4114, 41.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8374, 33.5391, 63.9853 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, 165, 207)` looks like.

```
.text, #text, p{  
    color:rgb(89, 165, 207)  
}
```

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, 165, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 165, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.8374, 33.5391, 63.9853 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, 165, 207) }
```


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

```
.border{ border-color:rgb(89, 165, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 165, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 165, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 165, 207);  
box-shadow:4px 4px 4px 4px rgb(89, 165,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8374, 33.5391, 63.9853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 165, 207) }
```

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

```
.background{ background-color: rgb(89, 165,  
207) }
```

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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