

Converting Colors

XYZ(28.6008, 33.8183, 64.2943)

Have a look what the booklet for
XYZ(28.6008, 33.8183, 64.2943)
contains.

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Color

**XYZ(28.6485, 33.9814,
64.0806)**

Conversions

Conversions Part 1

Format	Color
Hex	53A7CF
RGB	83, 167, 207
RGB Percent	33%, 65%, 81%
CMY	0.6745, 0.3451, 0.1882
CMYK	0.60, 0.19, 0.00, 0.19
HSL	199°, 56%, 57%
HSV	199°, 60%, 81%
XYZ	28.6485, 33.9814, 64.0806
YIQ	146.4440, -62.9040, -5.3680

Conversions

Conversions Part 2

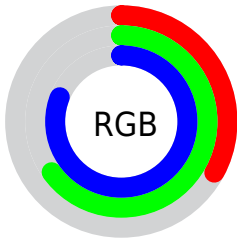
Format	Color
R _Y B	83, 133, 207
Decimal	5482447
CIE Lab	64.95, -13.67, -28.04
CIE LCh	65, 31.195, 244.007
Yxy	33.9814, 0.2261, 0.2682
Android (android.graphics.Color)	4283672527 (0xFF53A7CF)
YUV	146.4440, 29.8541, -55.6404
Hunter-Lab	58.2936, -14.2895, -24.3705

Details

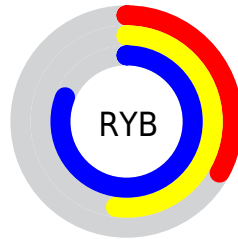
The XYZ color **28.6485, 33.9814, 64.0806** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.3777, 28.0575, 11.7888**, and the grayscale version is **27.4047, 28.8319, 31.3980**.

A 20% lighter version of the original color is **55.3266, 65.2133, 104.2792**, and **11.8805, 14.5614, 32.3214** is the 20% darker color. If you saturate the color by 10%, you get **25.8957, 30.7935, 63.6110**, and if you desaturate by 10%, it is **32.0119, 37.5791, 64.5984**.

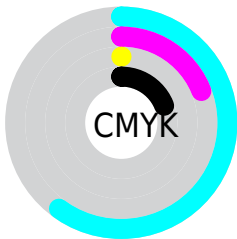
Distribution



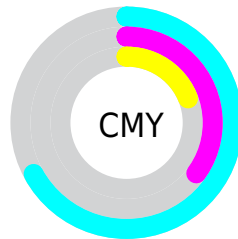
- Red (33%)
- Green (65%)
- Blue (81%)



- Red (33%)
- Yellow (52%)
- Blue (81%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)



- Cyan (67%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6485, 33.9814, 64.0806 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 28.6485, 33.9814, 64.0806 by changing the saturation by 10% instead.

■ 28.6485, 33.9814,
64.0806

■ 28.6485, 33.9814,
64.0806

287.5771,
320.0491, 457.6961

■ 18.9580, 22.8793,
46.2694

■ 56.9196, 65.9047,
112.3276

■ 11.7438, 14.5044,
32.1082

■ 76.2309, 87.4948,
143.6004

■ 6.6404, 8.4723,
21.1787

■ 99.4799, 113.3496,
180.1975

■ 3.2826, 4.3986,
13.0622

■ 127.0319,
143.8536, 222.5374

■ 1.3049, 1.8990,
7.3401

159.2522,
179.3911, 271.0387

■ 0.1869, 0.5478,
3.5941

196.5063,

■ 0.0000, 0.0000,

220.3466, 326.1199

1.4054

239.1595,
267.1045, 388.1995

■ 0.0000, 0.0000,
0.1459

■ 0.0000, 0.0000,
0.0000

■ 28.6485, 33.9814,
64.0806

■ 28.6485, 33.9814,
64.0806

■ 25.8957, 30.7935,
63.6110

■ 32.0119, 37.5791,
64.5984

■ 23.6989, 27.9839,
63.1845

■ 36.0273, 41.6075,
65.1643

■ 21.9989, 25.5215,
62.7988

■ 40.7363, 46.0900,
65.7813

■ 20.6860, 23.3480,
62.4485

■ 46.1760, 51.0470,
66.4514

■ 20.6737, 23.3272,
62.4451

■ 52.3806, 56.4973,
67.1764

■ 59.3820, 62.4588,
67.9581

■ 67.2103, 68.9482,
68.7981

■ 75.8941, 75.9814,
69.6979

■ 79.9991, 80.7581,
70.4036

Harmonies

Analogous

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



25.6361, 33.9814, 52.6830



28.6485, 33.9814, 64.0806



32.9074, 33.9814, 67.6777

Triad

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



28.6485, 33.9814, 64.0806



41.7337, 33.9814, 35.2932



27.6914, 33.9814, 20.0086

Complementary

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



28.6485, 33.9814, 64.0806



34.3777, 28.0575, 11.7888

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.



31.6967, 33.9814, 17.3588



28.6485, 33.9814, 64.0806



40.0250, 33.9814, 24.7863

Square

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



28.6485, 33.9814, 64.0806



40.7275, 33.9814, 48.9731



36.2456, 33.9814, 18.8798



25.1206, 33.9814, 27.1571

Rectangle

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



28.6485, 33.9814, 64.0806



35.9525, 33.9814, 64.6061



36.2456, 33.9814, 18.8798



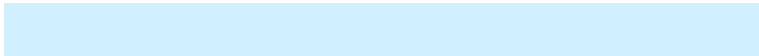
28.9005, 33.9814, 18.6487

Sweetspot

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



28.6496, 33.9826, 64.0814



75.5898, 83.2240, 106.6876



29.4107, 47.8773, 26.1919



15.5901, 17.2869, 22.7650



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.



28.6496, 33.9826, 64.0814



40.3668, 47.9524, 101.7359



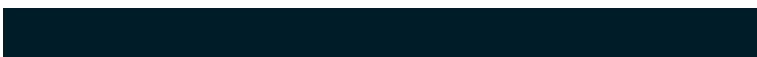
19.9577, 16.5988, 61.1841



11.8235, 12.7372, 15.0790



13.1142, 14.8750, 39.3725



0.8035, 0.9722, 2.2249

Inverse Universe

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



35.8015, 22.2432, 38.9668



53.4568, 29.7927, 55.0224



44.4904, 48.2829, 15.1597



12.1418, 11.9415, 14.0225



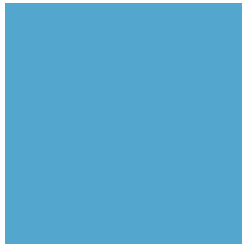
19.2502, 9.5729, 16.7554



1.1118, 0.5494, 1.1235

Previews

White Background



This preview shows how the XYZ color 28.6485, 33.9814, 64.0806 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 28.6485, 33.9814, 64.0806 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 28.6485, 33.9814, 64.0806

Background



This preview shows how black text looks on a background with the XYZ color 28.6485, 33.9814, 64.0806.



This preview shows how white text looks on a background with the XYZ color 28.6485, 33.9814,

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

28.6485, 33.9814, 64.0806

Protanopia

33.7684, 33.6309, 58.1377

Deuteranopia

34.3438, 33.5151, 65.6317



Tritanopia

26.0675, 34.0451, 51.0964

Trichromacy



Original Color

28.6485, 33.9814, 64.0806

Protanomaly

31.1091, 33.2243, 60.0316

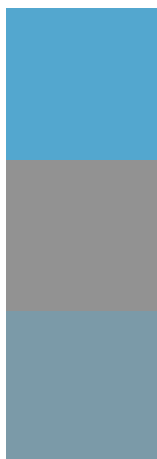
Deuteranomaly

31.7919, 33.4647, 65.1053

Tritanomaly

27.0609, 34.1775, 55.6227

Monochromacy



Original Color

28.6485, 33.9814, 64.0806

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.7919, 30.1493, 41.4531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6485, 33.9814, 64.0806 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(83, 167, 207)` looks like.

```
.text, #text, p{  
    color:rgb(83, 167, 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(83, 167, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 167, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.6485, 33.9814, 64.0806 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(83, 167, 207) }
```


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

```
.border{ border-color:rgb(83, 167, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 167, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 167, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 167, 207);  
box-shadow:4px 4px 4px 4px rgb(83, 167,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6485, 33.9814, 64.0806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 167, 207) }
```

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

```
.background{ background-color: rgb(83, 167,  
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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