

Converting Colors

XYZ(28.6226, 33.5449, 64.3693)

Have a look what the booklet for
XYZ(28.6226, 33.5449, 64.3693)
contains.

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Color

**XYZ(28.5866, 33.3956,
64.6138)**

Conversions

Conversions Part 1

Format	Color
Hex	55A5D0
RGB	85, 165, 208
RGB Percent	33%, 65%, 82%
CMY	0.6666, 0.3529, 0.1843
CMYK	0.59, 0.21, 0.00, 0.18
HSL	201°, 57%, 57%
HSV	201°, 59%, 82%
XYZ	28.5866, 33.3956, 64.6138
YIQ	145.9820, -61.4830, -3.5870

Conversions

Conversions Part 2

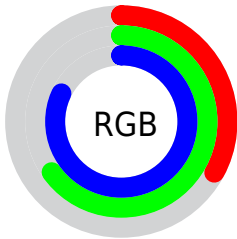
Format	Color
R _Y B	85, 133, 208
Decimal	5613008
CIE Lab	64.48, -11.90, -29.31
CIE LCh	64, 31.632, 247.908
Yxy	33.3956, 0.2258, 0.2638
Android (android.graphics.Color)	4283803088 (0xFF55A5D0)
YUV	145.9820, 30.5749, -53.4812
Hunter-Lab	57.7889, -12.8316, -25.8399

Details

The XYZ color **28.5866, 33.3956, 64.6138** 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 **35.3725, 29.5057, 12.4265**, and the grayscale version is **27.2121, 28.6293, 31.1773**.

A 20% lighter version of the original color is **55.1448, 64.3357, 104.1193**, and **11.6549, 14.1102, 32.2462** is the 20% darker color. If you saturate the color by 10%, you get **25.6940, 30.0130, 64.1140**, and if you desaturate by 10%, it is **32.1109, 37.2159, 65.1661**.

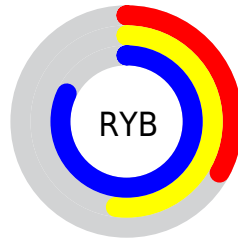
Distribution



Red (33%)

Green (65%)

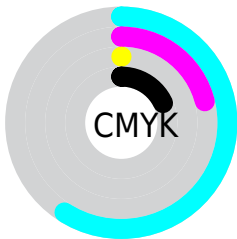
Blue (82%)



Red (33%)

Yellow (52%)

Blue (82%)

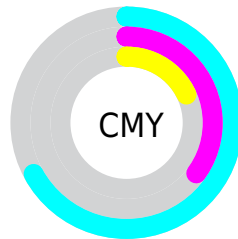


Cyan (59%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (67%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5866, 33.3956, 64.6138 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 28.5866, 33.3956, 64.6138 by changing the saturation by 10% instead.

■ 28.5866, 33.3956,
64.6138

■ 28.5866, 33.3956,
64.6138

287.2889,
317.4286, 459.6710

■ 18.9110, 22.4297,
46.6986

■ 56.8217, 64.9927,
113.1024

■ 11.7096, 14.1730,
32.4448

■ 76.1120, 86.3926,
144.5129

■ 6.6171, 8.2411,
21.4339

■ 99.3379, 112.0393,
181.2589

■ 3.2680, 4.2496,
13.2472

■ 126.8648,
142.3172, 223.7591

■ 1.2970, 1.8141,
7.4663

159.0579,
177.6107, 272.4318

■ 0.1810, 0.4960,
3.6725

196.2828,

■ 0.0000, 0.0000,

218.3042, 327.6956

1.4475

238.9046,
264.7820, 389.9692

■ 0.0000, 0.0000,
0.1783

■ 0.0000, 0.0000,
0.0000

■ 28.5866, 33.3956,
64.6138

■ 28.5866, 33.3956,
64.6138

■ 25.6940, 30.0130,
64.1140

■ 32.1109, 37.2159,
65.1661

■ 23.3784, 27.0360,
63.6614

■ 36.3089, 41.4954,
65.7708

■ 21.5803, 24.4329,
63.2537

■ 41.2226, 46.2580,
66.4311

■ 20.2002, 22.1503,
62.8859

■ 46.8894, 51.5249,
67.1491

■ 20.0890, 21.9615,
62.8553

■ 53.3441, 57.3155,
67.9266

■ 60.6190, 63.6481,
68.7655

■ 68.7449, 70.5403,
69.6675

■ 77.7504, 78.0083,
70.6343

■ 81.0467, 82.6570,
71.3579

Harmonies

Analogous

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



25.3717, 33.3956, 53.8806



28.5866, 33.3956, 64.6138



32.9512, 33.3956, 66.9735

Triad

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



28.5866, 33.3956, 64.6138



41.1422, 33.3956, 33.0469



26.7000, 33.3956, 20.0591

Complementary

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



28.5866, 33.3956, 64.6138



35.3725, 29.5057, 12.4265

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.



30.5618, 33.3956, 16.8740



28.5866, 33.3956, 64.6138



39.0971, 33.3956, 23.1235

Square

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



28.5866, 33.3956, 64.6138



40.4860, 33.3956, 46.5394



35.1204, 33.3956, 17.8446



24.3566, 33.3956, 27.7885

Rectangle

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



28.5866, 33.3956, 64.6138



35.9816, 33.3956, 63.0619



35.1204, 33.3956, 17.8446



27.8483, 33.3956, 18.5163

Sweetspot

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



28.5877, 33.3968, 64.6146



75.2257, 82.4957, 106.5662



30.0692, 48.5503, 27.5265



15.5008, 17.1083, 22.7352



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.



28.5877, 33.3968, 64.6146



39.6552, 46.2439, 101.4436



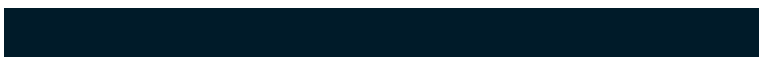
20.2354, 16.6921, 61.8305



11.7961, 12.6824, 15.0699



12.6140, 13.8746, 39.2057



0.7781, 0.9215, 2.2164

Inverse Universe

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



36.0534, 22.6247, 38.0652



53.1672, 29.9436, 52.6756



45.5296, 49.8200, 15.8122



12.1280, 11.9359, 13.9496



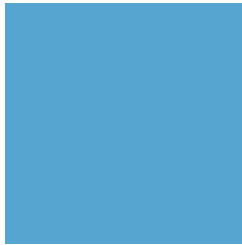
18.9977, 9.4719, 15.4259



1.0990, 0.5443, 1.0562

Previews

White Background



This preview shows how the XYZ color 28.5866, 33.3956, 64.6138 looks on a white background.

Color Contrast Check

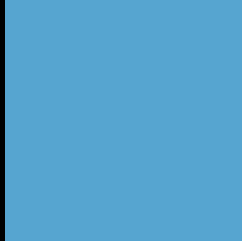
Large Text (above 18pt) WCAG AA × Fail

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 28.5866, 33.3956, 64.6138 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 28.5866, 33.3956, 64.6138

Background



This preview shows how black text looks on a background with the XYZ color 28.5866, 33.3956, 64.6138.



This preview shows how white text looks on a background with the XYZ color 28.5866, 33.3956,

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

28.5866, 33.3956, 64.6138

Protanopia

33.4825, 33.2106, 59.2892

Deuteranopia

33.9643, 33.0611, 66.2193



Tritanopia

25.5593, 33.2507, 49.8707

Trichromacy



Original Color

28.5866, 33.3956, 64.6138

Protanomaly

31.1747, 32.9765, 61.2219

Deuteranomaly

31.4356, 32.7602, 65.6393

Tritanomaly

26.6589, 33.4307, 54.9169

Monochromacy



Original Color

28.5866, 33.3956, 64.6138

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.8648, 29.9321, 41.8977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5866, 33.3956, 64.6138 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(85, 165, 208)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 208)  
}
```

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(85, 165, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.5866, 33.3956, 64.6138 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(85, 165, 208) }
```


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

```
.border{ border-color:rgb(85, 165, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 165, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 208);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5866, 33.3956, 64.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 208) }
```

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

```
.background{ background-color: rgb(85, 165,  
208) }
```

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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