

Converting Colors

XYZ(28.1521, 34.4578, 58.5284)

Have a look what the booklet for
XYZ(28.1521, 34.4578, 58.5284)
contains.

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Color

**XYZ(28.1273, 34.3844,
58.5805)**

Conversions

Conversions Part 1

Format	Color
Hex	55A9C6
RGB	85, 169, 198
RGB Percent	33%, 66%, 78%
CMY	0.6666, 0.3372, 0.2235
CMYK	0.57, 0.15, 0.00, 0.22
HSL	195°, 50%, 55%
HSV	195°, 57%, 78%
XYZ	28.1273, 34.3844, 58.5805
YIQ	147.1900, -59.3730, -8.7890

Conversions

Conversions Part 2

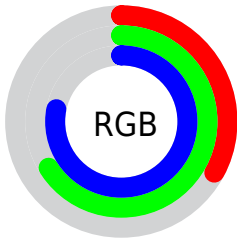
Format	Color
R _Y B	85, 133, 198
Decimal	5614022
CIE Lab	65.27, -17.09, -22.55
CIE LCh	65, 28.295, 232.842
Yxy	34.3844, 0.2323, 0.2840
Android (android.graphics.Color)	4283804102 (0xFF55A9C6)
YUV	147.1900, 25.0493, -54.5406
Hunter-Lab	58.6382, -16.9948, -18.1849

Details

The XYZ color **28.1273, 34.3844, 58.5805** 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 **30.9467, 24.6975, 11.7315**, and the grayscale version is **27.7300, 29.1741, 31.7706**.

A 20% lighter version of the original color is **56.0333, 66.3709, 104.4653**, and **11.4704, 14.7749, 28.6328** is the 20% darker color. If you saturate the color by 10%, you get **25.6481, 31.7308, 58.1996**, and if you desaturate by 10%, it is **31.1483, 37.3733, 58.9988**.

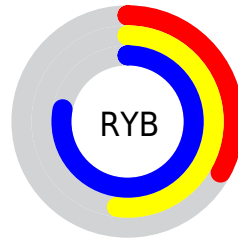
Distribution



Red (33%)

Green (66%)

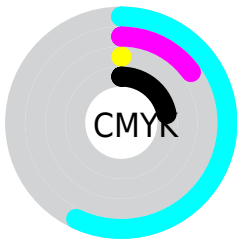
Blue (78%)



Red (33%)

Yellow (52%)

Blue (78%)

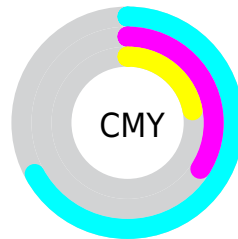


Cyan (57%)

Magenta (15%)

Yellow (0%)

Black (22%)



Cyan (67%)

Magenta (34%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1273, 34.3844, 58.5805 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 28.1273, 34.3844, 58.5805 by changing the saturation by 10% instead.

■ 28.1273, 34.3844,
58.5805

■ 28.1273, 34.3844,
58.5805

285.1438,
321.8427, 437.0041

■ 18.5626, 23.1891,
41.8577

■ 56.0948, 66.5310,
104.2908

■ 11.4568, 14.7332,
28.6652

■ 75.2284, 88.2510,
134.1155

■ 6.4445, 8.6323,
18.5843

■ 98.2822, 114.2481,
169.1445

■ 3.1604, 4.5022,
11.1965

■ 125.6218,
144.9066, 209.7964

■ 1.2391, 1.9582,
6.0833

157.6123,
180.6109, 256.4898

■ 0.1369, 0.5830,
2.8262

194.6193,

■ 0.0000, 0.0000,

221.7454, 309.6432

1.0066

237.0080,
268.6946, 369.6751

■ 0.0000, 0.0000,
0.0000

■ 28.1273, 34.3844,
58.5805

■ 28.1273, 34.3844,
58.5805

■ 25.6481, 31.7308,
58.1996

■ 31.1483, 37.3733,
58.9988

■ 23.6639, 29.3856,
57.8515

■ 34.7464, 40.7141,
59.4540

■ 22.1249, 27.3232,
57.5346

■ 38.9576, 44.4267,
59.9487

■ 20.9622, 25.5075,
57.2454

■ 43.8138, 48.5282,
60.4844

■ 20.6560, 25.0029,
57.1641

■ 49.3449, 53.0345,
61.0627

■ 55.5785, 57.9604,
61.6849

■ 62.5409, 63.3200,
62.3525

■ 70.2569, 69.1267,
63.0666

■ 75.6662, 73.8034,
63.6842

Harmonies

Analogous

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



25.9126, 34.3844, 46.9516



28.1273, 34.3844, 58.5805



31.7044, 34.3844, 64.7538

Triad

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



28.1273, 34.3844, 58.5805



41.1859, 34.3844, 40.3368



29.7024, 34.3844, 20.1848

Complementary

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



28.1273, 34.3844, 58.5805



30.9467, 24.6975, 11.7315

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.



33.6782, 34.3844, 19.1422



28.1273, 34.3844, 58.5805



40.5368, 34.3844, 29.3063

Square

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



28.1273, 34.3844, 58.5805



39.4082, 34.3844, 52.8778



37.7022, 34.3844, 22.1155



26.7672, 34.3844, 25.3419

Rectangle

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



28.1273, 34.3844, 58.5805



34.4734, 34.3844, 64.1927



37.7022, 34.3844, 22.1155



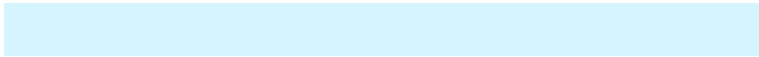
30.9525, 34.3844, 19.3930

Sweetspot

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



28.1284, 34.3857, 58.5813



77.4136, 85.7912, 107.0870



26.9361, 43.5182, 22.6782



16.1749, 18.0342, 22.8784



0.0000, 0.0000, 0.0000



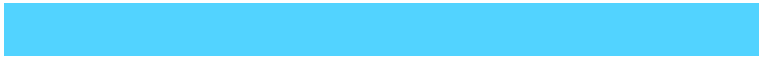
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1284, 34.3857, 58.5813



44.6651, 55.3362, 102.9346



19.8735, 17.8759, 55.8297



10.7074, 11.5889, 13.5900



13.5048, 16.4035, 37.1988



0.6953, 0.8884, 1.7800

Inverse Universe

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



33.6996, 21.3685, 39.8857



55.9224, 31.9125, 64.5118



39.2572, 41.3185, 14.5017



10.9623, 10.7683, 12.7850



18.6159, 9.1959, 18.9851



0.9097, 0.4467, 1.0474

Previews

White Background



This preview shows how the XYZ color 28.1273, 34.3844, 58.5805 looks on a white background.

Color Contrast Check

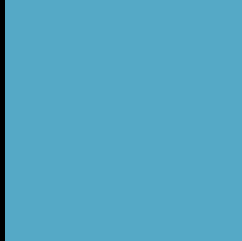
Large Text (above 18pt) WCAG AA × Fail

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 28.1273, 34.3844, 58.5805 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 28.1273, 34.3844, 58.5805

Background



This preview shows how black text looks on a background with the XYZ color 28.1273, 34.3844, 58.5805.

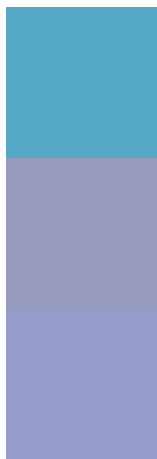


This preview shows how white text looks on a background with the XYZ color 28.1273, 34.3844,

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

28.1273, 34.3844, 58.5805

Protanopia

33.8363, 34.0304, 52.9293

Deuteranopia

34.8416, 34.1438, 60.0124



Tritanopia

26.6281, 34.3341, 51.1226

Trichromacy



Original Color

28.1273, 34.3844, 58.5805

Protanomaly

31.0117, 33.8075, 54.7602

Deuteranomaly

31.6003, 33.7474, 59.4920

Tritanomaly

27.1487, 34.2610, 53.8973

Monochromacy



Original Color

28.1273, 34.3844, 58.5805

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.9165, 30.4809, 40.5412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1273, 34.3844, 58.5805 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, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(85, 169, 198)  
}
```

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, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 169, 198) }
```

Border

The CSS property to change the border of an element to XYZ 28.1273, 34.3844, 58.5805 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, 169, 198) }
```


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

```
.border{ border-color:rgb(85, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(85, 169,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1273, 34.3844, 58.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 169, 198) }
```

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

```
.background{ background-color: rgb(85, 169,  
198) }
```

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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