

Converting Colors

XYZ(23.4888, 28.3580, 56.4602)

Have a look what the booklet for
XYZ(23.4888, 28.3580, 56.4602)
contains.

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Color

**XYZ(23.4888, 28.3580,
56.4602)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9BC4
RGB	59, 155, 196
RGB Percent	23%, 61%, 77%
CMY	0.7686, 0.3921, 0.2314
CMYK	0.70, 0.21, 0.00, 0.23
HSL	198°, 54%, 50%
HSV	198°, 70%, 77%
XYZ	23.4888, 28.3580, 56.4602
YIQ	130.9700, -70.3770, -7.6010

Conversions

Conversions Part 2

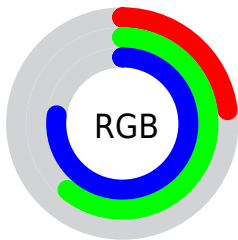
Format	Color
RYB	59, 115, 196
Decimal	3906500
CIELab	60.21, -14.73, -29.28
CIElCh	60, 32.775, 243.302
Yxy	28.3580, 0.2169, 0.2618
Android (android.graphics.Color)	4282096580 (0xFF3B9BC4)
YUV	130.9700, 32.0598, -63.1177
Hunter-Lab	53.2522, -14.4576, -25.5851

Details

The XYZ color **23.4888, 28.3580, 56.4602** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **28.1128, 21.1677, 6.7430**, and the grayscale version is **21.4712, 22.5893, 24.5998**.

A 20% lighter version of the original color is **48.5561, 56.8304, 101.3387**, and **9.8328, 11.8536, 27.3609** is the 20% darker color. If you saturate the color by 10%, you get **21.5852, 25.9629, 56.0988**, and if you desaturate by 10%, it is **25.8778, 31.0747, 56.8592**.

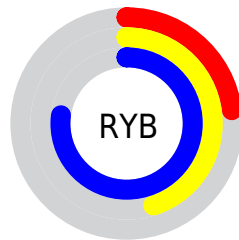
Distribution



Red (23%)

Green (61%)

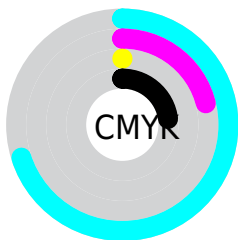
Blue (77%)



Red (23%)

Yellow (45%)

Blue (77%)

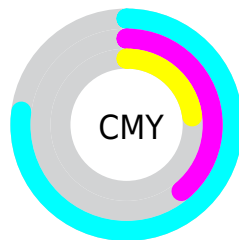


Cyan (70%)

Magenta (21%)

Yellow (0%)

Black (23%)



Cyan (77%)

Magenta (39%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4888, 28.3580, 56.4602 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 23.4888, 28.3580, 56.4602 by changing the saturation by 10% instead.

■ 23.4888, 28.3580,
56.4602

■ 23.4888, 28.3580,
56.4602

262.7144,
294.1736, 428.8605

■ 15.0775, 18.5957,
40.1655

■ 48.6555, 57.0555,
101.1696

■ 8.9605, 11.3785,
27.3529

■ 66.1416, 76.7595,
130.4215

■ 4.7723, 6.3220,
17.6036

■ 87.3833, 100.5462,
164.8294

■ 2.1477, 3.0419,
10.4993

■ 112.7461,
128.7999, 204.8121

■ 0.7149, 1.1536,
5.6213

■ 142.5953,
161.9052, 250.7880

■ 0.0000, 0.0233,
2.5512

177.2961,

■ 0.0000, 0.0000,

200.2463, 303.1757

0.8671

217.2141,
244.2076, 362.3936

■ 0.0000, 0.0000,
0.0000

■ 23.4888, 28.3580,
56.4602

■ 23.4888, 28.3580,
56.4602

■ 21.5852, 25.9629,
56.0988

■ 25.8778, 31.0747,
56.8592

■ 20.1116, 23.8584,
55.7702

■ 28.7935, 34.1339,
57.2960

■ 18.9698, 21.9934,
55.4704

■ 32.2762, 37.5577,
57.7733

■ 18.9582, 21.9742,
55.4673

■ 36.3609, 41.3650,
58.2929

■ 41.0799, 45.5736,
58.8565

■ 46.4629, 50.1995,
59.4657

■ 52.5377, 55.2580,
60.1219

■ 59.3307, 60.7635,
60.8266

■ 66.8664, 66.7296,
61.5810

Harmonies

Analogous

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



20.7573, 28.3580, 45.3795



23.4888, 28.3580, 56.4602



27.4208, 28.3580, 60.1645

Triad

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



23.4888, 28.3580, 56.4602



35.8365, 28.3580, 29.5653



22.7621, 28.3580, 15.3121

Complementary

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



23.4888, 28.3580, 56.4602



28.1128, 21.1677, 6.7430

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.



26.4914, 28.3580, 13.0776



23.4888, 28.3580, 56.4602



34.2741, 28.3580, 19.8492

Square

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



23.4888, 28.3580, 56.4602



34.8225, 28.3580, 42.4647



30.7430, 28.3580, 14.4934



20.3693, 28.3580, 21.6161

Rectangle

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



23.4888, 28.3580, 56.4602



30.2724, 28.3580, 57.3300



30.7430, 28.3580, 14.4934



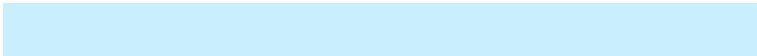
23.8864, 28.3580, 14.1467

Sweetspot

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



23.4898, 28.3590, 56.4609



73.1173, 81.4175, 106.4692



23.7406, 41.2889, 18.2299



15.1217, 16.9594, 22.7264



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.



23.4898, 28.3590, 56.4609



37.5642, 44.9028, 101.2950



15.3148, 12.0091, 53.7359



10.1058, 10.9030, 12.8567



12.2595, 14.2755, 35.6659



0.5876, 0.7326, 1.5603

Inverse Universe

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



30.2462, 17.2314, 32.7431



51.4184, 26.5890, 51.6513



37.2492, 39.4405, 9.7885



10.3647, 10.1945, 12.0111



17.5840, 8.7234, 16.2533



0.7890, 0.3886, 0.8561

Previews

White Background



This preview shows how the XYZ color 23.4888, 28.3580, 56.4602 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4888, 28.3580, 56.4602 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4888, 28.3580, 56.4602

Background



This preview shows how black text looks on a background with the XYZ color 23.4888, 28.3580, 56.4602.

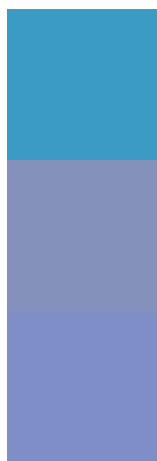


This preview shows how white text looks on a background with the XYZ color 23.4888, 28.3580,

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

23.4888, 28.3580, 56.4602

Protanopia

28.4650, 28.2193, 50.9603

Deuteranopia

28.7342, 27.9815, 57.9194



Tritanopia

20.8408, 28.2884, 43.3915

Trichromacy



Original Color

23.4888, 28.3580, 56.4602

Protanomaly

25.6718, 27.6493, 52.6990

Deuteranomaly

26.1063, 27.7694, 57.4102

Tritanomaly

21.8340, 28.4429, 48.0553

Monochromacy



Original Color

23.4888, 28.3580, 56.4602

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1202, 24.1260, 34.5540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4888, 28.3580, 56.4602 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(59, 155, 196)` looks like.

```
.text, #text, p{  
    color:rgb(59, 155, 196)  
}
```

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(59, 155, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 155, 196) }
```

Border

The CSS property to change the border of an element to XYZ 23.4888, 28.3580, 56.4602 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(59, 155, 196) }
```


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

```
.border{ border-color:rgb(59, 155, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 155, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 155, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 155, 196);  
box-shadow:4px 4px 4px 4px rgb(59, 155,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4888, 28.3580, 56.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 155, 196) }
```

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

```
.background{ background-color: rgb(59, 155,  
196) }
```

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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