

Converting Colors

XYZ(28.0908, 34.9308, 59.5204)

Have a look what the booklet for
XYZ(28.0908, 34.9308, 59.5204)
contains.

XYZ(28.0136, 34.8690, 59.2868)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.0136, 34.8690,
59.2868)**

Conversions

Conversions Part 1

Format	Color
Hex	4EABC7
RGB	78, 171, 199
RGB Percent	31%, 67%, 78%
CMY	0.6941, 0.3294, 0.2196
CMYK	0.61, 0.14, 0.00, 0.22
HSL	194°, 52%, 54%
HSV	194°, 61%, 78%
XYZ	28.0136, 34.8690, 59.2868
YIQ	146.3850, -64.4160, -11.0080

Conversions

Conversions Part 2

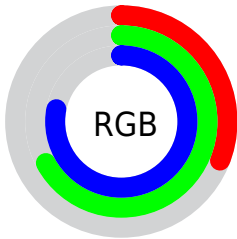
Format	Color
RYB	78, 131, 199
Decimal	5155783
CIELab	65.65, -19.18, -22.55
CIELCh	66, 29.600, 229.615
Yxy	34.8690, 0.2293, 0.2854
Android (android.graphics.Color)	4283345863 (0xFF4EABC7)
YUV	146.3850, 25.9392, -59.9736
Hunter-Lab	59.0500, -18.6562, -18.1928

Details

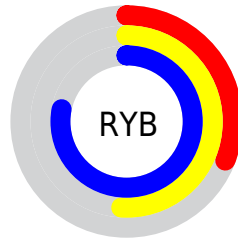
The XYZ color **28.0136, 34.8690, 59.2868** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **30.0835, 23.0016, 10.0631**, and the grayscale version is **27.3965, 28.8233, 31.3885**.

A 20% lighter version of the original color is **55.7276, 67.0160, 104.6060**, and **11.7077, 15.2380, 29.1122** is the 20% darker color. If you saturate the color by 10%, you get **25.7686, 32.4435, 58.9376**, and if you desaturate by 10%, it is **30.7843, 37.6120, 59.6709**.

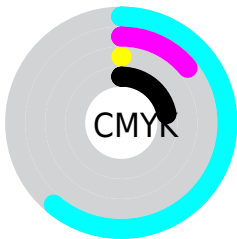
Distribution



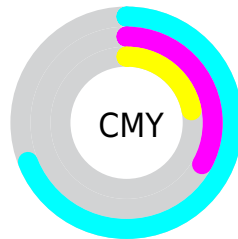
- Red (31%)
- Green (67%)
- Blue (78%)



- Red (31%)
- Yellow (51%)
- Blue (78%)



- Cyan (61%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0136, 34.8690, 59.2868 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 28.0136, 34.8690, 59.2868 by changing the saturation by 10% instead.

■ 28.0136, 34.8690,
59.2868

■ 28.0136, 34.8690,
59.2868

284.6108,
323.9897, 439.6954

■ 18.4764, 23.5620,
42.4225

■ 55.9146, 67.2828,
105.3276

■ 11.3943, 15.0090,
29.1042

■ 75.0092, 89.1583,
135.3412

■ 6.4020, 8.8257,
18.9134

■ 98.0203, 115.3255,
170.5750

■ 3.1340, 4.6277,
11.4316

■ 125.3133,
146.1687, 211.4474

■ 1.2250, 2.0305,
6.2401

157.2534,
182.0724, 258.3772

■ 0.1260, 0.6251,
2.9205

194.2062,

■ 0.0000, 0.0000,

223.4208, 311.7827

1.0542

236.5368,
270.5985, 372.0826

■ 0.0000, 0.0000,
0.0000

■ 28.0136, 34.8690,
59.2868

■ 28.0136, 34.8690,
59.2868

■ 25.7686, 32.4435,
58.9376

■ 30.7843, 37.6120,
59.6709

■ 23.9997, 30.3072,
58.6185

■ 34.1181, 40.6900,
60.0893

■ 22.6529, 28.4326,
58.3276

■ 38.0525, 44.1234,
60.5446

■ 21.6922, 26.8901,
58.0805

■ 42.6209, 47.9301,
61.0386

■ 47.8540, 52.1261,
61.5727

■ 53.7806, 56.7268,
62.1484

■ 60.4277, 61.7465,
62.7669

■ 67.8208, 67.1987,
63.4296

■ 75.2044, 72.6945,
64.1013

Harmonies

Analogous

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



25.8723, 34.8690, 46.5871



28.0136, 34.8690, 59.2868



31.6572, 34.8690, 66.7318

Triad

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



28.0136, 34.8690, 59.2868



42.0667, 34.8690, 42.4493



30.4132, 34.8690, 19.5800

Complementary

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



28.0136, 34.8690, 59.2868



30.0835, 23.0016, 10.0631

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.



34.6724, 34.8690, 18.9455



28.0136, 34.8690, 59.2868



41.6597, 34.8690, 30.4807

Square

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



28.0136, 34.8690, 59.2868



39.9285, 34.8690, 55.6939



38.8608, 34.8690, 22.4896



27.1715, 34.8690, 24.4670

Rectangle

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



28.0136, 34.8690, 59.2868



34.5584, 34.8690, 66.8133



38.8608, 34.8690, 22.4896



31.7647, 34.8690, 18.9103

Sweetspot

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



28.0147, 34.8703, 59.2876



76.8375, 85.7193, 107.1035



26.0761, 43.4714, 20.1724



15.8968, 17.9004, 22.8672



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.



28.0147, 34.8703, 59.2876



44.0181, 55.5287, 103.0059



19.2774, 17.3956, 56.3752



10.7306, 11.6353, 13.5978



14.0176, 17.4291, 37.3697



0.7159, 0.9297, 1.7869

Inverse Universe

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



33.6293, 20.5324, 40.7200



55.2330, 30.2474, 65.1643



38.3334, 39.5016, 12.8131



10.9741, 10.7730, 12.8466



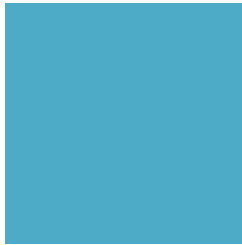
18.8748, 9.2995, 20.3481



0.9201, 0.4509, 1.1023

Previews

White Background



This preview shows how the XYZ color 28.0136, 34.8690, 59.2868 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 28.0136, 34.8690, 59.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

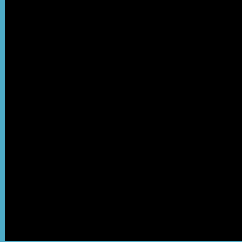
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.0136, 34.8690, 59.2868

Background



This preview shows how black text looks on a background with the XYZ color 28.0136, 34.8690, 59.2868.



This preview shows how white text looks on a background with the XYZ color 28.0136, 34.8690,

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

28.0136, 34.8690, 59.2868

Protanopia

34.1912, 34.4635, 52.9942

Deuteranopia

35.3116, 34.6205, 60.6984



Tritanopia

26.6609, 34.8915, 52.3433

Trichromacy



Original Color

28.0136, 34.8690, 59.2868

Protanomaly

31.0034, 34.0509, 55.3905

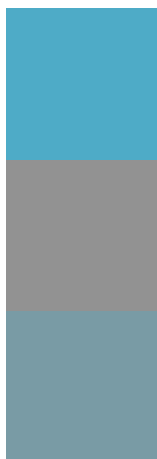
Deuteranomaly

31.5997, 33.9919, 60.1539

Tritanomaly

27.0581, 34.7625, 54.5739

Monochromacy



Original Color

28.0136, 34.8690, 59.2868

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.3980, 30.2242, 40.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0136, 34.8690, 59.2868 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(78, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(78, 171, 199)  
}
```

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(78, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 171, 199) }
```

Border

The CSS property to change the border of an element to XYZ 28.0136, 34.8690, 59.2868 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(78, 171, 199) }
```


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

```
.border{ border-color:rgb(78, 171, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 171,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0136, 34.8690, 59.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 171, 199) }
```

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

```
.background{ background-color: rgb(78, 171,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor