

Converting Colors

XYZ(23.3596, 28.6757, 35.8282)

Have a look what the booklet for
XYZ(23.3596, 28.6757, 35.8282)
contains.

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Color

**XYZ(23.4310, 28.7860,
35.7738)**

Conversions

Conversions Part 1

Format	Color
Hex	689B9C
RGB	104, 155, 156
RGB Percent	41%, 61%, 61%
CMY	0.5921, 0.3921, 0.3882
CMYK	0.33, 0.01, 0.00, 0.39
HSL	181°, 21%, 51%
HSV	181°, 33%, 61%
XYZ	23.4310, 28.7860, 35.7738
YIQ	139.8650, -30.7170, -10.5010

Conversions

Conversions Part 2

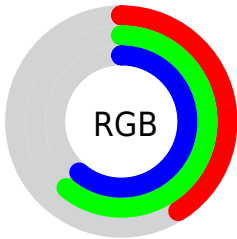
Format	Color
RYB	104, 130, 156
Decimal	6855580
CIELab	60.59, -16.63, -5.95
CIELCh	61, 17.660, 199.691
Yxy	28.7860, 0.2663, 0.3271
Android (android.graphics.Color)	4285045660 (0xFF689B9C)
YUV	139.8650, 7.9546, -31.4536
Hunter-Lab	53.6526, -15.9380, -1.9758

Details

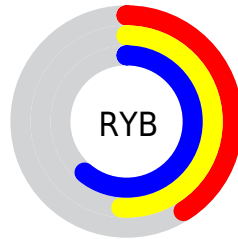
The XYZ color **23.4310, 28.7860, 35.7738** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.2610, 18.1709, 15.4841**, and the grayscale version is **24.8542, 26.1485, 28.4757**.

A 20% lighter version of the original color is **48.5841, 57.9144, 69.5907**, and **8.9683, 11.6774, 15.1459** is the 20% darker color. If you saturate the color by 10%, you get **21.7356, 27.8388, 35.6808**, and if you desaturate by 10%, it is **25.4633, 29.9085, 35.8838**.

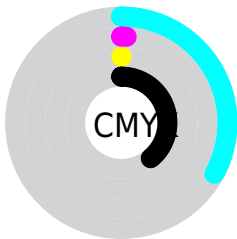
Distribution



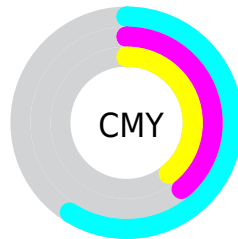
- Red (41%)
- Green (61%)
- Blue (61%)



- Red (41%)
- Yellow (51%)
- Blue (61%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)



- Cyan (59%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4310, 28.7860, 35.7738 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 23.4310, 28.7860, 35.7738 by changing the saturation by 10% instead.

■ 23.4310, 28.7860,
35.7738

■ 23.4310, 28.7860,
35.7738

262.4252,
296.2039, 342.9782

■ 15.0345, 18.9190,
23.9712

■ 48.5615, 57.7369,
69.8479

■ 8.9301, 11.6118,
15.1003

■ 66.0263, 77.5896,
92.9565

■ 4.7524, 6.4799,
8.7424

■ 87.2445, 101.5396,
120.6709

■ 2.1360, 3.1390,
4.4790

■ 112.5816,
129.9714, 153.4096

■ 0.7087, 1.2047,
1.8916

142.4028,
163.2693, 191.5911

■ 0.0000, 0.0656,
0.4874

177.0736,

■ 0.0000, 0.0000,

201.8178, 235.6341

0.0000

216.9593,
246.0012, 285.9569

■ 23.4310, 28.7860,
35.7738

■ 23.4310, 28.7860,
35.7738

■ 21.7356, 27.8388,
35.6808

■ 25.4633, 29.9085,
35.8838

■ 20.3559, 27.0538,
35.6020

■ 27.8469, 31.2116,
36.0097

■ 19.2725, 26.4218,
35.5371

■ 30.5987, 32.7046,
36.1529

■ 18.4629, 25.9310,
35.4851

■ 33.7335, 34.3953,
36.3140

■ 17.9010, 25.5682,
35.4446

■ 37.2655, 36.2910,
36.4937

■ 17.5560, 25.3173,
35.4144

■ 41.2082, 38.3985,
36.6927

■ 17.3931, 25.1848,
35.3974

■ 45.5742, 40.7244,
36.9116

■ 50.3758, 43.2751,
37.1508

■ 55.6247, 46.0566,
37.4111

Harmonies

Analogous

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



23.2638, 28.7860, 29.1462



23.4310, 28.7860, 35.7738



24.6170, 28.7860, 41.9431

Triad

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



23.4310, 28.7860, 35.7738



30.8468, 28.7860, 40.2017



28.1535, 28.7860, 20.5278

Complementary

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



23.4310, 28.7860, 35.7738



21.2610, 18.1709, 15.4841

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.



30.3000, 28.7860, 22.6987



23.4310, 28.7860, 35.7738



31.9114, 28.7860, 33.6477

Square

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



23.4310, 28.7860, 35.7738



28.8665, 28.7860, 44.7356



31.7059, 28.7860, 27.2942



25.9073, 28.7860, 20.9319

Rectangle

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



23.4310, 28.7860, 35.7738



25.8644, 28.7860, 44.6768



31.7059, 28.7860, 27.2942



28.9126, 28.7860, 20.9674

Sweetspot

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



23.4318, 28.7871, 35.7745



52.0704, 57.5004, 65.4810



20.1409, 27.7377, 17.6217



11.3197, 12.5776, 14.4015



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.4318, 28.7871, 35.7745



40.2042, 50.9712, 64.8462



19.5781, 21.0797, 34.4899



6.8109, 7.4876, 8.4930



14.3294, 20.7503, 29.1572



0.2593, 0.3772, 0.5224

Inverse Universe

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



24.5777, 19.3358, 33.4484



42.6227, 31.1397, 59.9106



24.3080, 24.2648, 16.4998



6.8987, 6.7524, 8.3175



16.0310, 7.7170, 25.4781



0.2882, 0.1386, 0.4637

Previews

White Background



This preview shows how the XYZ color 23.4310, 28.7860, 35.7738 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 23.4310, 28.7860, 35.7738 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

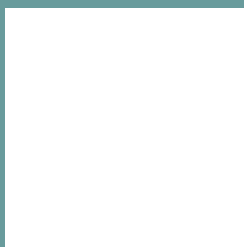
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4310, 28.7860, 35.7738

Background



This preview shows how black text looks on a background with the XYZ color 23.4310, 28.7860, 35.7738.

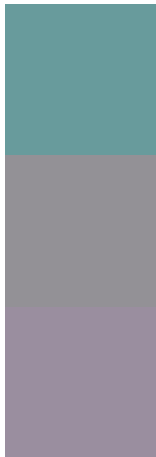


This preview shows how white text looks on a background with the XYZ color 23.4310, 28.7860,

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

23.4310, 28.7860, 35.7738

Protanopia

27.6630, 28.6559, 32.9273

Deuteranopia

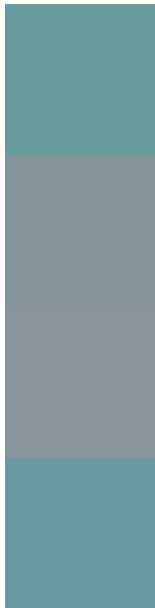
29.2574, 28.7192, 36.8022



Tritanopia

24.2180, 28.5998, 40.3203

Trichromacy



Original Color

23.4310, 28.7860, 35.7738

Protanomaly

25.7750, 28.5872, 33.8652

Deuteranomaly

26.7586, 28.5703, 36.4520

Tritanomaly

23.9029, 28.7231, 38.4667

Monochromacy



Original Color

23.4310, 28.7860, 35.7738

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0661, 26.8381, 31.1060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4310, 28.7860, 35.7738 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(104, 155, 156)` looks like.

```
.text, #text, p{  
    color:rgb(104, 155, 156)  
}
```

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(104, 155, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 155, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.4310, 28.7860, 35.7738 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(104, 155, 156) }
```


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

```
.border{ border-color:rgb(104, 155, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 155, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 155, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 155, 156);  
box-shadow:4px 4px 4px 4px rgb(104, 155,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4310, 28.7860, 35.7738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 155, 156) }
```

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

```
.background{ background-color: rgb(104,  
155, 156) }
```

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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