

Converting Colors

XYZ(23.4756, 23.7435, 36.1472)

Have a look what the booklet for
XYZ(23.4756, 23.7435, 36.1472)
contains.

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Color

**XYZ(23.5476, 23.8675,
36.1667)**

Conversions

Conversions Part 1

Format	Color
Hex	80859F
RGB	128, 133, 159
RGB Percent	50%, 52%, 62%
CMY	0.4980, 0.4784, 0.3765
CMYK	0.19, 0.16, 0.00, 0.38
HSL	230°, 14%, 56%
HSV	230°, 19%, 62%
XYZ	23.5476, 23.8675, 36.1667
YIQ	134.4690, -11.3260, 7.0260

Conversions

Conversions Part 2

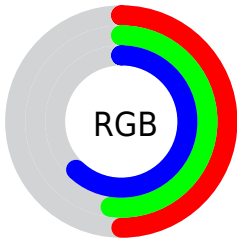
Format	Color
R _Y B	128, 132, 159
Decimal	8422815
CIE Lab	55.95, 3.88, -14.45
CIE LCh	56, 14.961, 285.034
Yxy	23.8675, 0.2817, 0.2856
Android (android.graphics.Color)	4286612895 (0xFF80859F)
YUV	134.4690, 12.0938, -5.6733
Hunter-Lab	48.8544, 0.5411, -9.6941

Details

The XYZ color **23.5476, 23.8675, 36.1667** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.7500, 32.0404, 25.0389**, and the grayscale version is **22.7931, 23.9801, 26.1143**.

A 20% lighter version of the original color is **48.7526, 49.7966, 70.6605**, and **9.0190, 9.0431, 15.4575** is the 20% darker color. If you saturate the color by 10%, you get **19.6298, 19.3080, 35.4935**, and if you desaturate by 10%, it is **28.0735, 29.0857, 36.9358**.

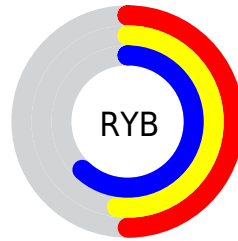
Distribution



Red (50%)

Green (52%)

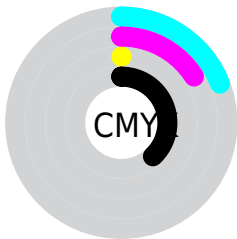
Blue (62%)



Red (50%)

Yellow (52%)

Blue (62%)

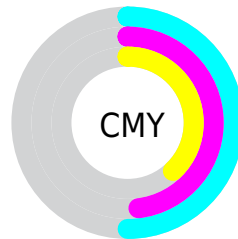


Cyan (19%)

Magenta (16%)

Yellow (0%)

Black (38%)



Cyan (50%)

Magenta (48%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5476, 23.8675, 36.1667 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 23.5476, 23.8675, 36.1667 by changing the saturation by 10% instead.

■ 23.5476, 23.8675,
36.1667

■ 23.5476, 23.8675,
36.1667

263.0084,
272.1499, 344.7480

■ 15.1213, 15.2354,
24.2723

■ 48.7510, 49.8139,
70.4612

■ 8.9914, 8.9847,
15.3216

■ 66.2588, 67.8969,
93.6984

■ 4.7927, 4.7312,
8.8963

■ 87.5245, 89.8991,
121.5535

■ 2.1596, 2.0904,
4.5777

112.9134,
116.2047, 154.4452

■ 0.7213, 0.6592,
1.9473

142.7909,
147.1982, 192.7920

■ 0.0000, 0.0000,
0.5226

177.5223,

■ 0.0000, 0.0000,

183.2640, 237.0123

0.0000

217.4730,
224.7864, 287.5248

■ 23.5476, 23.8675,
36.1667

■ 23.5476, 23.8675,
36.1667

■ 19.6298, 19.3080,
35.4935

■ 28.0735, 29.0857,
36.9358

■ 16.2917, 15.3780,
34.9109

■ 33.2297, 34.9845,
37.8026

■ 13.5062, 12.0505,
34.4154

■ 39.0400, 41.5883,
38.7710

■ 11.2428, 9.2951,
34.0029

■ 45.5265, 48.9196,
39.8442

■ 9.4684, 7.0790,
33.6686

■ 52.7099, 56.9996,
41.0252

■ 8.1455, 5.3659,
33.4077

■ 60.6103, 65.8488,
42.3169

■ 7.2314, 4.1145,
33.2143

■ 69.2469, 75.4870,
43.7220

■ 6.6448, 3.2618,
33.0807

■ 78.5639, 85.8948,
45.2399

■ 6.6199, 3.2269,
33.0752

■ 82.6277, 94.0225,
46.5945

Harmonies

Analogous

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



21.8480, 23.8675, 36.1703



23.5476, 23.8675, 36.1667



25.0883, 23.8675, 33.2145

Triad

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



23.5476, 23.8675, 36.1667



25.0854, 23.8675, 19.8869



19.6592, 23.8675, 23.6344

Complementary

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



23.5476, 23.8675, 36.1667



29.7500, 32.0404, 25.0389

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.



20.4409, 23.8675, 19.8934



23.5476, 23.8675, 36.1667



23.5438, 23.8675, 17.9216

Square

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



23.5476, 23.8675, 36.1667



26.0060, 23.8675, 23.6243



21.8444, 23.8675, 17.9238



19.6602, 23.8675, 28.5035

Rectangle

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



23.5476, 23.8675, 36.1667



25.7936, 23.8675, 30.1616



21.8444, 23.8675, 17.9238



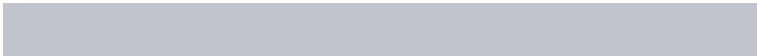
19.8374, 23.8675, 22.2177

Sweetspot

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



23.5483, 23.8685, 36.1672



53.2713, 55.5237, 66.6529



27.1195, 31.7134, 35.1915



11.8876, 12.3776, 15.0062



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.5483, 23.8685, 36.1672



39.2797, 39.3893, 64.2761



24.5141, 23.3738, 36.0208



6.3669, 6.5996, 8.3450



5.2500, 2.5916, 26.1307



0.1152, 0.0889, 0.4743

Inverse Universe

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



26.2515, 24.5032, 25.5375



44.9604, 40.7912, 41.9221



28.6285, 32.7135, 25.2280



6.6746, 6.6627, 7.1373



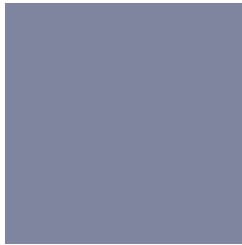
11.4482, 5.8838, 1.3451



0.2154, 0.1095, 0.0807

Previews

White Background



This preview shows how the XYZ color 23.5476, 23.8675, 36.1667 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 23.5476, 23.8675, 36.1667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

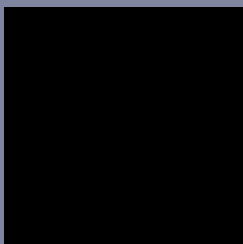
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

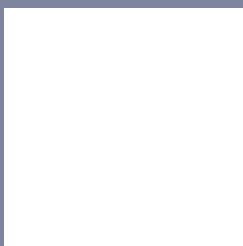
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5476, 23.8675, 36.1667

Background



This preview shows how black text looks on a background with the XYZ color 23.5476, 23.8675, 36.1667.



This preview shows how white text looks on a background with the XYZ color 23.5476, 23.8675,

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

23.5476, 23.8675, 36.1667

Protanopia

23.6988, 23.9454, 36.1737

Deuteranopia

24.3660, 23.8867, 36.1273



Tritanopia

22.4565, 23.8389, 30.6119

Trichromacy



Original Color

23.5476, 23.8675, 36.1667

Protanomaly

23.6988, 23.9454, 36.1737

Deuteranomaly

24.0250, 23.9113, 36.1500

Tritanomaly

22.8634, 23.7966, 32.6663

Monochromacy



Original Color

23.5476, 23.8675, 36.1667

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.9987, 23.9389, 29.3951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5476, 23.8675, 36.1667 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(128, 133, 159)` looks like.

```
.text, #text, p{  
    color:rgb(128, 133, 159)  
}
```

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(128, 133, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 133, 159) }
```

Border

The CSS property to change the border of an element to XYZ 23.5476, 23.8675, 36.1667 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(128, 133, 159) }
```


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

```
.border{ border-color:rgb(128, 133, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 133, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 133, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 133, 159);  
box-shadow:4px 4px 4px 4px rgb(128, 133,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5476, 23.8675, 36.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 133, 159) }
```

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

```
.background{ background-color: rgb(128,  
133, 159) }
```

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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