

Converting Colors

XYZ(10.5252, 13.2080, 34.4596)

Have a look what the booklet for
XYZ(10.5252, 13.2080, 34.4596)
contains.

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Color

**XYZ(11.8560, 13.8375,
34.3938)**

Conversions

Conversions Part 1

Format	Color
Hex	006F9E
RGB	0, 111, 158
RGB Percent	0%, 44%, 62%
CMY	0.9999, 0.5647, 0.3804
CMYK	1.00, 0.30, 0.00, 0.38
HSL	198°, 100%, 31%
HSV	198°, 100%, 62%
XYZ	11.8560, 13.8375, 34.3938
YIQ	83.1690, -81.2430, -8.9150

Conversions

Conversions Part 2

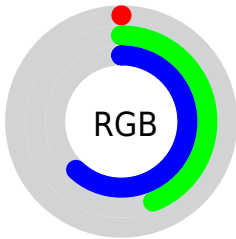
Format	Color
R_{YB}	0, 65, 158
Decimal	28574
CIE _{Lab}	44.00, -8.79, -32.76
CIE _{LCh}	44, 33.921, 254.980
Yxy	13.8375, 0.1973, 0.2303
Android (android.graphics.Color)	4278218654 (0xFF006F9E)
YUV	83.1690, 36.8917, -72.9392
Hunter-Lab	37.1988, -8.2064, -28.7801

Details

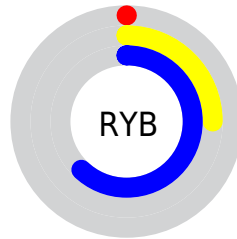
The XYZ color **11.8560, 13.8375, 34.3938** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.1184, 9.3043, 0.9998**, and the grayscale version is **8.1972, 8.6241, 9.3917**.

A 20% lighter version of the original color is **28.9452, 32.9769, 67.7904**, and **4.4349, 4.7074, 14.3105** is the 20% darker color. If you saturate the color by 10%, you get **11.8553, 13.8361, 34.3939**, and if you desaturate by 10%, it is **12.5934, 14.9995, 34.5795**.

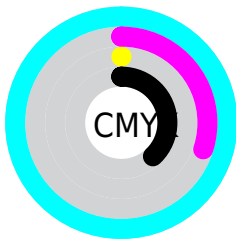
Distribution



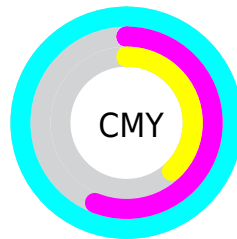
- Red (0%)
- Green (44%)
- Blue (62%)



- Red (0%)
- Yellow (25%)
- Blue (62%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (56%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8560, 13.8375, 34.3938 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 11.8560, 13.8375, 34.3938 by changing the saturation by 10% instead.

■ 11.8560, 13.8375,
34.3938

■ 11.8560, 13.8375,
34.3938

■ 197.2391,
216.2176, 336.7070

■ 6.7172, 8.0077,
22.9165

■ 28.8517, 32.8004,
67.6865

■ 3.3306, 4.0999,
14.3271

■ 41.4393, 46.7024,
90.3389

■ 1.3309, 1.7296,
8.2072

■ 57.2406, 64.0638,
117.5535

■ 0.2062, 0.4427,
4.1381

■ 76.6208, 85.2692,
149.7487

■ 0.0000, 0.0000,
1.7014

■ 99.9455, 110.7028,
187.3431

■ 0.0000, 0.0000,
0.3617

■ 127.5798,

■ 0.0000, 0.0000,

140.7492, 230.7553

0.0000

159.8892,
175.7926, 280.4038

■ 11.8560, 13.8375,
34.3938

■ 11.8560, 13.8375,
34.3938

■ 11.8553, 13.8361,
34.3939

■ 12.5934, 14.9995,
34.5795

■ 13.5207, 16.2998,
34.7816

■ 14.7104, 17.7766,
35.0040

■ 16.1926, 19.4461,
35.2481

■ 17.9933, 21.3222,
35.5153

■ 20.1354, 23.4171,
35.8068

■ 22.6394, 25.7422,
36.1236

■ 25.5243, 28.3076,
36.4667

■ 28.8076, 31.1229,
36.8371

Harmonies

Analogous

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



9.8206, 13.8375, 28.1591



11.8560, 13.8375, 34.3938



14.5357, 13.8375, 34.3985

Triad

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



11.8560, 13.8375, 34.3938



18.8116, 13.8375, 11.5512



9.8227, 13.8375, 6.8264

Complementary

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



11.8560, 13.8375, 34.3938



15.1184, 9.3043, 0.9998

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.



11.8593, 13.8375, 4.8054



11.8560, 13.8375, 34.3938



17.1630, 13.8375, 6.8308

Square

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



11.8560, 13.8375, 34.3938



18.8104, 13.8375, 19.2435



14.5394, 13.8375, 4.8067



8.7602, 13.8375, 11.5428

Rectangle

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



11.8560, 13.8375, 34.3938



16.3477, 13.8375, 30.7655



14.5394, 13.8375, 4.8067



10.4028, 13.8375, 5.8933

Sweetspot

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



11.8565, 13.8380, 34.3942



40.8193, 46.4805, 65.5637



12.6968, 24.6419, 6.5482



8.7808, 10.0915, 14.7287



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.



11.8565, 13.8380, 34.3942



21.3480, 24.7640, 62.3982



6.7513, 3.6275, 32.6924



6.6551, 7.1759, 8.4410



9.5302, 11.1520, 27.5575



0.2052, 0.2690, 0.5043

Inverse Universe

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



16.9703, 8.4175, 15.7696



30.7250, 15.2480, 28.1517



21.2801, 21.6277, 3.0537



6.8200, 6.7209, 7.9032



13.6086, 6.7480, 12.7219



0.2609, 0.1277, 0.3199

Previews

White Background



This preview shows how the XYZ color 11.8560, 13.8375, 34.3938 looks on a white 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

Black Background



This preview shows how the XYZ color 11.8560, 13.8375, 34.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

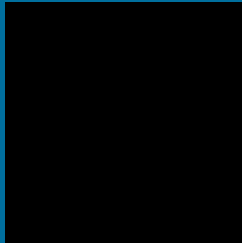
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8560, 13.8375, 34.3938

Background



This preview shows how black text looks on a background with the XYZ color 11.8560, 13.8375, 34.3938.

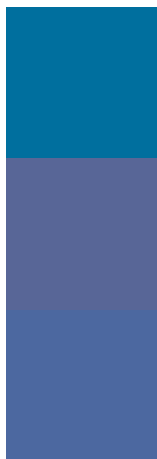


This preview shows how white text looks on a background with the XYZ color 11.8560, 13.8375,

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

11.8560, 13.8375, 34.3938

Protanopia

14.3618, 13.8118, 31.1872

Deuteranopia

14.2760, 13.9752, 35.2028



Tritanopia

9.7688, 13.7167, 21.2015

Trichromacy



Original Color

11.8560, 13.8375, 34.3938

Protanomaly

12.5152, 13.2770, 32.4749

Deuteranomaly

12.7346, 13.6470, 34.7638

Tritanomaly

10.4612, 13.8122, 25.4072

Monochromacy



Original Color

11.8560, 13.8375, 34.3938

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.1970, 9.7114, 16.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8560, 13.8375, 34.3938 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(0, 111, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 158)  
}
```

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(0, 111, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 158) }
```

Border

The CSS property to change the border of an element to XYZ 11.8560, 13.8375, 34.3938 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(0, 111, 158) }
```


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

```
.border{ border-color:rgb(0, 111, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8560, 13.8375, 34.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 158) }
```

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

```
.background{ background-color: rgb(0, 111,  
158) }
```

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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