

Converting Colors

XYZ(11.8037, 13.5042, 24.0483)

Have a look what the booklet for
XYZ(11.8037, 13.5042, 24.0483)
contains.

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Color

**XYZ(11.8430, 13.5768,
24.1867)**

Conversions

Conversions Part 1

Format	Color
Hex	426C85
RGB	66, 108, 133
RGB Percent	26%, 42%, 52%
CMY	0.7412, 0.5765, 0.4784
CMYK	0.50, 0.19, 0.00, 0.48
HSL	202°, 34%, 39%
HSV	202°, 50%, 52%
XYZ	11.8430, 13.5768, 24.1867
YIQ	98.2920, -33.0570, -1.1290

Conversions

Conversions Part 2

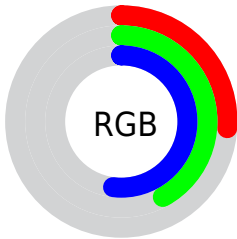
Format	Color
R _{YB}	66, 92, 133
Decimal	4353157
CIE Lab	43.62, -7.25, -18.33
CIE LCh	44, 19.713, 248.429
Yxy	13.5768, 0.2387, 0.2737
Android (android.graphics.Color)	4282543237 (0xFF426C85)
YUV	98.2920, 17.1110, -28.3201
Hunter-Lab	36.8467, -7.1096, -13.1261

Details

The XYZ color **11.8430, 13.5768, 24.1867** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.3978, 12.8627, 6.8788**, and the grayscale version is **11.6472, 12.2537, 13.3443**.

A 20% lighter version of the original color is **28.7323, 32.1930, 51.1539**, and **3.3302, 4.0136, 8.7828** is the 20% darker color. If you saturate the color by 10%, you get **10.5405, 12.1506, 23.9803**, and if you desaturate by 10%, it is **13.3846, 15.1711, 24.4134**.

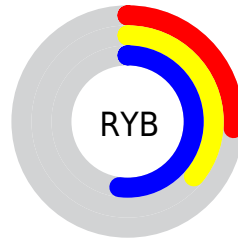
Distribution



Red (26%)

Green (42%)

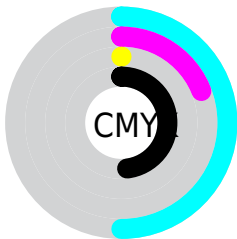
Blue (52%)



Red (26%)

Yellow (36%)

Blue (52%)

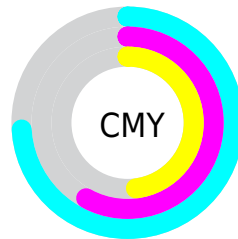


Cyan (50%)

Magenta (19%)

Yellow (0%)

Black (48%)



Cyan (74%)

Magenta (58%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8430, 13.5768, 24.1867 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 11.8430, 13.5768, 24.1867 by changing the saturation by 10% instead.

■ 11.8430, 13.5768,
24.1867

■ 11.8430, 13.5768,
24.1867

197.1543,
214.5819, 287.0799

■ 6.7083, 7.8269,
15.2587

■ 28.8282, 32.3362,
51.2823

■ 3.3250, 3.9844,
8.8525

■ 41.4094, 46.1145,
70.2871

■ 1.3279, 1.6648,
4.5496

■ 57.2034, 63.3378,
93.4878

■ 0.2040, 0.4007,
1.9314

■ 76.5757, 84.3904,
121.3030

■ 0.0000, 0.0000,
0.5126

■ 99.8916, 109.6567,
154.1513

■ 0.0000, 0.0000,
0.0000

127.5164,

139.5211, 192.4512

159.8156,
174.3681, 236.6212

■ 11.8430, 13.5768,
24.1867

■ 11.8430, 13.5768,
24.1867

■ 10.5405, 12.1506,
23.9803

■ 13.3846, 15.1711,
24.4134

■ 9.4606, 10.8823,
23.7924

■ 15.1778, 16.9397,
24.6603

■ 8.5866, 9.7630,
23.6224

■ 17.2355, 18.8904,
24.9284

■ 7.8989, 8.7817,
23.4693

■ 19.5695, 21.0298,
25.2183

■ 7.3555, 7.9372,
23.3349

■ 22.1908, 23.3643,
25.5307

■ 25.1097, 25.9000,
25.8663

■ 28.3361, 28.6424,
26.2256

■ 31.8794, 31.5970,
26.6092

■ 35.7484, 34.7691,
27.0175

Harmonies

Analogous

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



10.7149, 13.5768, 20.7242



11.8430, 13.5768, 24.1867



13.3446, 13.5768, 24.8930

Triad

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



11.8430, 13.5768, 24.1867



16.0706, 13.5768, 13.5709



11.1451, 13.5768, 9.0710

Complementary

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



11.8430, 13.5768, 24.1867



14.3978, 12.8627, 6.8788

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.



12.4739, 13.5768, 7.8647



11.8430, 13.5768, 24.1867



15.3734, 13.5768, 10.1016

Square

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



11.8430, 13.5768, 24.1867



15.8678, 13.5768, 18.1355



14.0273, 13.5768, 8.2002



10.3349, 13.5768, 11.8712

Rectangle

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



11.8430, 13.5768, 24.1867



14.3704, 13.5768, 23.5946



14.0273, 13.5768, 8.2002



11.5416, 13.5768, 8.4939

Sweetspot

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



11.8434, 13.5773, 24.1870



32.9052, 35.7135, 44.8975



12.5045, 18.6816, 12.7473



7.2468, 7.8929, 10.0942



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.8434, 13.5773, 24.1870



18.6667, 21.5216, 42.9086



8.9925, 7.8755, 23.2367



4.6594, 4.9945, 5.9192



7.0141, 7.5760, 22.2293



0.0313, 0.0403, 0.0794

Inverse Universe

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



14.3283, 9.9662, 15.3563



23.8161, 14.9680, 24.4002



17.8726, 19.8123, 8.0370



4.7861, 4.7341, 5.4861



10.7185, 5.3517, 8.3559



0.0407, 0.0200, 0.0476

Previews

White Background



This preview shows how the XYZ color 11.8430, 13.5768, 24.1867 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 11.8430, 13.5768, 24.1867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

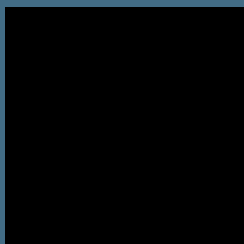
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

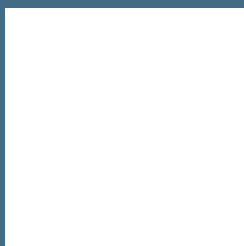
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8430, 13.5768, 24.1867

Background



This preview shows how black text looks on a background with the XYZ color 11.8430, 13.5768, 24.1867.

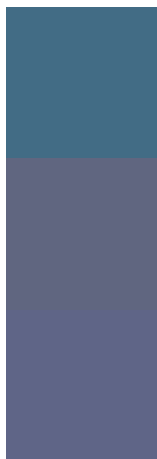


This preview shows how white text looks on a background with the XYZ color 11.8430, 13.5768,

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

11.8430, 13.5768, 24.1867

Protanopia

13.4715, 13.5481, 22.3271

Deuteranopia

13.7462, 13.4895, 24.8009



Tritanopia

10.8302, 13.4759, 19.4831

Trichromacy



Original Color

11.8430, 13.5768, 24.1867

Protanomaly

12.7259, 13.4436, 23.0432

Deuteranomaly

12.9095, 13.5067, 24.4809

Tritanomaly

11.1566, 13.4493, 21.0767

Monochromacy



Original Color

11.8430, 13.5768, 24.1867

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4584, 12.6289, 16.8726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8430, 13.5768, 24.1867 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(66, 108, 133)` looks like.

```
.text, #text, p{  
    color:rgb(66, 108, 133)  
}
```

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(66, 108, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 108, 133) }
```

Border

The CSS property to change the border of an element to XYZ 11.8430, 13.5768, 24.1867 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(66, 108, 133) }
```


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

```
.border{ border-color:rgb(66, 108, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 108, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 108, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 108, 133);  
box-shadow:4px 4px 4px 4px rgb(66, 108,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8430, 13.5768, 24.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 108, 133) }
```

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

```
.background{ background-color: rgb(66, 108,  
133) }
```

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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