

Converting Colors

XYZ(11.7234, 10.6489, 24.2367)

Have a look what the booklet for
XYZ(11.7234, 10.6489, 24.2367)
contains.

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Color

**XYZ(11.7118, 10.5919,
24.3488)**

Conversions

Conversions Part 1

Format	Color
Hex	575787
RGB	87, 87, 135
RGB Percent	34%, 34%, 53%
CMY	0.6588, 0.6588, 0.4706
CMYK	0.36, 0.36, 0.00, 0.47
HSL	240°, 22%, 44%
HSV	240°, 36%, 53%
XYZ	11.7118, 10.5919, 24.3488
YIQ	92.4720, -15.4080, 14.9280

Conversions

Conversions Part 2

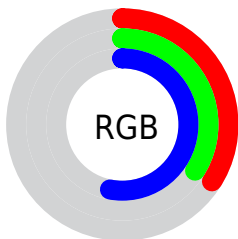
Format	Color
R_{YB}	87, 87, 135
Decimal	5724039
CIE _{Lab}	38.88, 12.24, -26.77
CIE _{LCh}	39, 29.432, 294.569
Yxy	10.5919, 0.2510, 0.2270
Android (android.graphics.Color)	4283914119 (0xFF575787)
YUV	92.4720, 20.9663, -4.7989
Hunter-Lab	32.5452, 7.2814, -21.5764

Details

The XYZ color **11.7118, 10.5919, 24.3488** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.3761, 23.1670, 12.4149**, and the grayscale version is **10.2375, 10.7707, 11.7293**.

A 20% lighter version of the original color is **28.6122, 26.9687, 51.8416**, and **3.2670, 2.7239, 8.9479** is the 20% darker color. If you saturate the color by 10%, you get **9.5747, 8.0168, 23.9646**, and if you desaturate by 10%, it is **14.2898, 13.6982, 24.8127**.

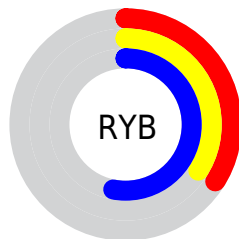
Distribution



Red (34%)

Green (34%)

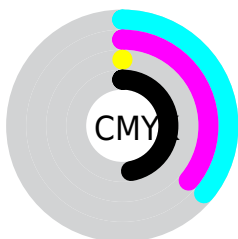
Blue (53%)



Red (34%)

Yellow (34%)

Blue (53%)

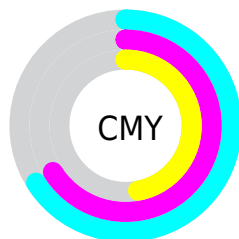


Cyan (36%)

Magenta (36%)

Yellow (0%)

Black (47%)



Cyan (66%)

Magenta (66%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7118, 10.5919, 24.3488 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 11.7118, 10.5919, 24.3488 by changing the saturation by 10% instead.

■ 11.7118, 10.5919,
24.3488

■ 11.7118, 10.5919,
24.3488

196.2970,
194.8459, 287.9223

■ 6.6185, 5.7931,
15.3780

■ 28.5905, 26.9030,
51.5497

■ 3.2689, 2.7197,
8.9355

■ 41.1067, 39.1841,
70.6169

■ 1.2975, 0.9872,
4.6029

■ 56.8280, 54.7282,
93.8867

■ 0.1814, 0.0000,
1.9616

■ 76.1196, 73.9195,
121.7775

■ 0.0000, 0.0000,
0.5315

■ 99.3470, 97.1426,
154.7079

■ 0.0000, 0.0000,
0.0000

126.8754,

124.7818, 193.0965

159.0703,
157.2214, 237.3618

■ 11.7118, 10.5919,
24.3488

■ 11.7118, 10.5919,
24.3488

■ 9.5747, 8.0168,
23.9646

■ 14.2898, 13.6982,
24.8127

■ 7.8527, 5.9419,
23.6549

■ 17.3304, 17.3618,
25.3596

■ 6.5194, 4.3353,
23.4150

■ 20.8548, 21.6086,
25.9935

■ 5.5444, 3.1605,
23.2396

■ 24.8831, 26.4624,
26.7181

■ 4.8931, 2.3758,
23.1225

■ 29.4339, 31.9457,
27.5366

■ 4.5135, 1.9183,
23.0542

■ 34.5249, 38.0801,
28.4524

■ 4.3732, 1.7493,
23.0290

■ 40.1731, 44.8858,
29.4683

■ 46.3947, 52.3824,
30.5874

■ 53.2052, 60.5885,
31.8124

Harmonies

Analogous

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



9.7158, 10.5919, 25.9048



11.7118, 10.5919, 24.3488



13.4497, 10.5919, 18.9636

Triad

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



11.7118, 10.5919, 24.3488



12.4064, 10.5919, 4.7990



6.7709, 10.5919, 10.5440

Complementary

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



11.7118, 10.5919, 24.3488



20.3761, 23.1670, 12.4149

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.



7.3055, 10.5919, 6.3516



11.7118, 10.5919, 24.3488



10.4271, 10.5919, 3.7947

Square

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



11.7118, 10.5919, 24.3488



13.8857, 10.5919, 7.6121



8.5844, 10.5919, 4.2534



7.0221, 10.5919, 16.6107

Rectangle

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



11.7118, 10.5919, 24.3488



14.1410, 10.5919, 14.6395



8.5844, 10.5919, 4.2534



6.8623, 10.5919, 8.9000

Sweetspot

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



11.7122, 10.5923, 24.3490



33.6460, 34.2374, 45.8835



16.9117, 21.0812, 25.8054



7.6262, 7.7292, 10.5963



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.7122, 10.5923, 24.3490



17.7046, 15.0291, 43.0161



14.2370, 11.8938, 24.4672



4.4345, 4.5446, 5.8442



4.0326, 1.6131, 21.2355



0.0140, 0.0056, 0.0736

Inverse Universe

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



15.1204, 12.6557, 10.6631



24.7928, 19.3204, 14.5534



17.0412, 21.4479, 12.2588



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 11.7118, 10.5919, 24.3488 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 11.7118, 10.5919, 24.3488 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 11.7118, 10.5919, 24.3488

Background



This preview shows how black text looks on a background with the XYZ color 11.7118, 10.5919, 24.3488.



This preview shows how white text looks on a background with the XYZ color 11.7118, 10.5919,

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

11.7118, 10.5919, 24.3488

Protanopia

11.0732, 10.6143, 25.1321

Deuteranopia

10.8682, 10.6592, 24.0389



Tritanopia

9.5761, 10.6073, 13.8546

Trichromacy



Original Color

11.7118, 10.5919, 24.3488

Protanomaly

11.2408, 10.5846, 24.7431

Deuteranomaly

11.1837, 10.6958, 24.0293

Tritanomaly

10.2014, 10.4683, 17.1057

Monochromacy



Original Color

11.7118, 10.5919, 24.3488

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.5794, 10.5687, 15.6697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7118, 10.5919, 24.3488 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(87, 87, 135)` looks like.

```
.text, #text, p{  
    color:rgb(87, 87, 135)  
}
```

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(87, 87, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 87, 135) }
```

Border

The CSS property to change the border of an element to XYZ 11.7118, 10.5919, 24.3488 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(87, 87, 135) }
```


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

```
.border{ border-color:rgb(87, 87, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 87, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 87, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 87, 135);  
box-shadow:4px 4px 4px 4px rgb(87, 87,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7118, 10.5919, 24.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 87, 135) }
```

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

```
.background{ background-color: rgb(87, 87,  
135) }
```

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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