

Converting Colors

XYZ(11.8123, 8.6274, 30.0872)

Have a look what the booklet for
XYZ(11.8123, 8.6274, 30.0872)
contains.

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Color

**XYZ(11.7530, 8.5821,
29.8912)**

Conversions

Conversions Part 1

Format	Color
Hex	594596
RGB	89, 69, 150
RGB Percent	35%, 27%, 59%
CMY	0.6510, 0.7294, 0.4118
CMYK	0.41, 0.54, 0.00, 0.41
HSL	255°, 37%, 43%
HSV	255°, 54%, 59%
XYZ	11.7530, 8.5821, 29.8912
YIQ	84.2140, -14.0810, 29.4310

Conversions

Conversions Part 2

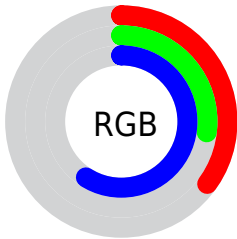
Format	Color
R_{YB}	89, 69, 150
Decimal	5850518
CIE _{Lab}	35.17, 28.55, -41.77
CIE _{LCh}	35, 50.593, 304.358
Yxy	8.5821, 0.2340, 0.1709
Android (android.graphics.Color)	4284040598 (0xFF594596)
YUV	84.2140, 32.4325, 4.1973
Hunter-Lab	29.2952, 20.3461, -39.9895

Details

The XYZ color **11.7530, 8.5821, 29.8912** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **21.1863, 26.9882, 9.7230**, and the grayscale version is **8.4085, 8.8464, 9.6337**.

A 20% lighter version of the original color is **28.6532, 23.1154, 60.7091**, and **3.2798, 1.9522, 11.7592** is the 20% darker color. If you saturate the color by 10%, you get **9.9422, 6.4478, 29.5749**, and if you desaturate by 10%, it is **13.9641, 11.2692, 30.2935**.

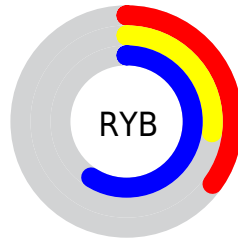
Distribution



Red (35%)

Green (27%)

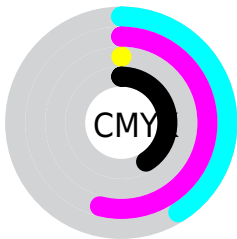
Blue (59%)



Red (35%)

Yellow (27%)

Blue (59%)

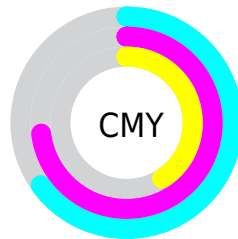


Cyan (41%)

Magenta (54%)

Yellow (0%)

Black (41%)



Cyan (65%)

Magenta (73%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7530, 8.5821, 29.8912 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 11.7530, 8.5821, 29.8912 by changing the saturation by 10% instead.

■ 11.7530, 8.5821,
29.8912

■ 11.7530, 8.5821,
29.8912

196.5667,
180.2290, 315.5885

■ 6.6467, 4.4696,
19.5047

■ 28.6652, 23.0919,
60.5490

■ 3.2865, 1.9396,
11.8550

■ 41.2019, 34.2581,
81.6574

■ 1.3070, 0.5720,
6.5237

■ 56.9460, 48.5442,
107.1769

■ 0.1885, 0.0000,
3.0922

■ 76.2630, 66.3348,
137.5259

■ 0.0000, 0.0000,
1.1419

■ 99.5182, 88.0142,
173.1230

■ 0.0000, 0.0000,
0.0000

127.0770,

113.9667, 214.3868

159.3047,
144.5769, 261.7358

■ 11.7530, 8.5821,
29.8912

■ 11.7530, 8.5821,
29.8912

■ 9.9422, 6.4478,
29.5749

■ 13.9641, 11.2692,
30.2935

■ 8.5052, 4.8257,
29.3375

■ 16.5977, 14.5441,
30.7868

■ 7.4136, 3.6708,
29.1721

■ 19.6753, 18.4398,
31.3766

■ 6.6337, 2.9289,
29.0700

■ 23.2168, 22.9865,
32.0675

■ 6.2695, 2.5961,
29.0250

■ 27.2408, 28.2126,
32.8641

■ 31.7649, 34.1446,
33.7707

■ 36.8057, 40.8076,
34.7911

■ 42.3791, 48.2257,
35.9292

■ 48.5003, 56.4216,
37.1885

Harmonies

Analogous

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



8.5911, 8.5821, 36.2888



11.7530, 8.5821, 29.8912



14.3365, 8.5821, 18.1710

Triad

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



11.7530, 8.5821, 29.8912



10.8354, 8.5821, 1.0528



3.7424, 8.5821, 10.6202

Complementary

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



11.7530, 8.5821, 29.8912



21.1863, 26.9882, 9.7230

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.



4.0707, 8.5821, 3.9711



11.7530, 8.5821, 29.8912



7.7378, 8.5821, 0.7121

Square

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



11.7530, 8.5821, 29.8912



13.7242, 8.5821, 2.8910



5.3814, 8.5821, 1.3643



4.3451, 8.5821, 21.6712

Rectangle

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



11.7530, 8.5821, 29.8912



15.1158, 8.5821, 11.0157



5.3814, 8.5821, 1.3643



3.7489, 8.5821, 7.8514

Sweetspot

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



11.7534, 8.5824, 29.8914



39.4503, 38.6028, 56.2931



16.0892, 19.7269, 31.8140



8.4827, 8.2203, 12.4244



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.7534, 8.5824, 29.8914



16.9107, 10.6489, 52.0854



16.5957, 11.0787, 30.1180



5.6257, 5.6980, 7.2731



5.2256, 2.1664, 24.0738



0.0874, 0.0386, 0.2957

Inverse Universe

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



18.7351, 12.3521, 22.5152



30.8370, 18.1899, 36.3919



16.2558, 24.4464, 9.4923



5.9747, 5.8850, 6.9731



12.9149, 6.3710, 13.5649



0.1698, 0.0827, 0.2276

Previews

White Background



This preview shows how the XYZ color 11.7530, 8.5821, 29.8912 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 ✓ Pass

Black Background



This preview shows how the XYZ color 11.7530, 8.5821, 29.8912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 11.7530, 8.5821, 29.8912

Background



This preview shows how black text looks on a background with the XYZ color 11.7530, 8.5821, 29.8912.



This preview shows how white text looks on a background with the XYZ color 11.7530, 8.5821, 29.8912.

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

11.7530, 8.5821, 29.8912

Protanopia

10.0174, 8.6693, 35.3278

Deuteranopia

8.8377, 8.6539, 28.8083



Tritanopia

7.9603, 8.5918, 11.1364

Trichromacy



Original Color

11.7530, 8.5821, 29.8912

Protanomaly

10.2242, 8.3944, 33.4292

Deuteranomaly

9.3602, 8.3585, 29.1370

Tritanomaly

9.0289, 8.4673, 16.4877

Monochromacy



Original Color

11.7530, 8.5821, 29.8912

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.3405, 8.6531, 15.3653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7530, 8.5821, 29.8912 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(89, 69, 150)` looks like.

```
.text, #text, p{  
    color:rgb(89, 69, 150)  
}
```

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(89, 69, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 69, 150) }
```

Border

The CSS property to change the border of an element to XYZ 11.7530, 8.5821, 29.8912 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(89, 69, 150) }
```


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

```
.border{ border-color:rgb(89, 69, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 69, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 69, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 69, 150);  
box-shadow:4px 4px 4px 4px rgb(89, 69,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7530, 8.5821, 29.8912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 69, 150) }
```

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

```
.background{ background-color: rgb(89, 69,  
150) }
```

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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