

Converting Colors

$Y_{xy}(14.2678, 0.1828, 0.1057)$

Have a look what the booklet for
Yxy(14.2678, 0.1828, 0.1057)
contains.

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Color

Yxy(14.2912, 0.1830, 0.1058)

Conversions

Conversions Part 1

Format	Color
Hex	5A4AFF
RGB	90, 74, 255
RGB Percent	35%, 29%, 100%
CMY	0.6468, 0.7099, 0.0000
CMYK	0.65, 0.71, 0.00, 0.00
HSL	245°, 100%, 65%
HSV	245°, 71%, 100%
XYZ	24.7192, 14.2912, 96.0671
YIQ	99.4180, -48.5650, 59.6830

Conversions

Conversions Part 2

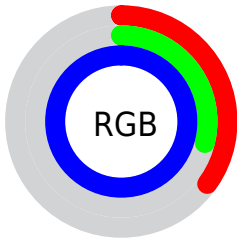
Format	Color
R _Y B	90, 74, 255
Decimal	5917439
CIE Lab	44.65, 57.74, -87.26
CIE LCh	45, 104.634, 303.494
Yxy	14.2912, 0.1830, 0.1058
Android (android.graphics.Color)	4284107519 (0xFF5A4AFF)
YUV	99.4180, 76.7019, -8.2596
Hunter-Lab	37.8037, 50.5616, -124.2057

Details

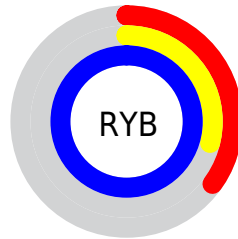
The Yxy color **14.2912, 0.1830, 0.1058** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed blue. A complement of this color would be **90.3513, 0.3965, 0.4937**, and the grayscale version is **12.4016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0553, 0.2360, 0.1745**, and **4.7265, 0.1526, 0.0692** is the 20% darker color. If you saturate the color by 10%, you get **10.5602, 0.1681, 0.0828**, and if you desaturate by 10%, it is **19.7647, 0.2013, 0.1353**.

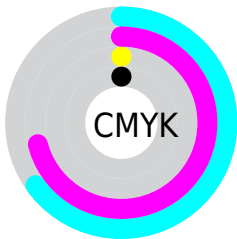
Distribution



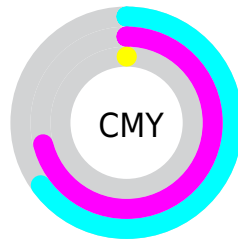
- Red (35%)
- Green (29%)
- Blue (100%)



- Red (35%)
- Yellow (29%)
- Blue (100%)



- Cyan (65%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (65%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2912, 0.1830, 0.1058 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 Yxy color 14.2912, 0.1830, 0.1058 by changing the saturation by 10% instead.


 14.2912, 0.1830,
0.1058


 14.2912, 0.1830,
0.1058


219.0349, 0.2544,
0.2073


 8.3235, 0.1653,
0.0860

 33.6048, 0.2093,
0.1389

 4.3026, 0.1436,
0.0643


 47.7195, 0.2192,
0.1525

 1.8442, 0.1170,
0.0415

 65.3187, 0.2275,
0.1645

 0.5145, 0.0853,
0.0183

 86.7867, 0.2345,
0.1751

 0.0000, 0.0501,
0.0000

 112.5079, 0.2406,
0.1846

 0.0000, 0.0000,
0.0000

142.8668, 0.2458,

0.1930

178.2476, 0.2504,
0.2005

■ 14.2912, 0.1830,
0.1058

■ 14.2912, 0.1830,
0.1058

■ 10.5602, 0.1681,
0.0828

■ 19.7647, 0.2013,
0.1353

■ 8.3583, 0.1576,
0.0680

■ 27.1602, 0.2216,
0.1690

■ 7.3980, 0.1522,
0.0612

■ 36.6348, 0.2422,
0.2041

■ 48.3291, 0.2621,
0.2386

■ 62.3718, 0.2805,
0.2710

 78.8814, 0.2970,
0.3004

 97.9686, 0.3114,
0.3266

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



14.2912, 0.0953, 0.0933



14.2912, 0.1830, 0.1058



14.2912, 0.3566, 0.1498

Triad

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



14.2912, 0.1830, 0.1058



14.2912, 0.6088, 0.3912



14.2912, 0.0821, 0.3990

Complementary

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



14.2912, 0.1830, 0.1058



90.3513, 0.3965, 0.4937

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.



14.2912, 0.1750, 0.6965



14.2912, 0.1830, 0.1058



14.2912, 0.4688, 0.5312

Square

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



14.2912, 0.1830, 0.1058



14.2912, 0.6726, 0.2982



14.2912, 0.3101, 0.6899



14.2912, 0.0525, 0.1868

Rectangle

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



14.2912, 0.1830, 0.1058



14.2912, 0.5091, 0.1962



14.2912, 0.3101, 0.6899



14.2912, 0.1056, 0.5085

Sweetspot

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



14.2912, 0.1830, 0.1058



62.3548, 0.2805, 0.2709



70.9451, 0.2276, 0.3105



12.4650, 0.2756, 0.2623



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



14.2912, 0.1830, 0.1058



9.5069, 0.1633, 0.0759



21.7670, 0.2487, 0.1380



17.4549, 0.2992, 0.3045



3.8917, 0.1528, 0.0615



0.4039, 0.1587, 0.0648

Inverse Universe

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



32.3821, 0.3360, 0.1836



28.7038, 0.3407, 0.1714



78.4418, 0.3367, 0.5339



18.2709, 0.3152, 0.3076



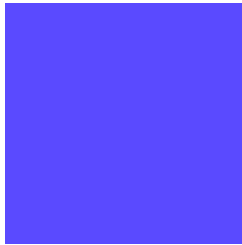
14.1751, 0.3447, 0.1672



1.3880, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 14.2912, 0.1830, 0.1058 looks on a white background.

Color Contrast Check

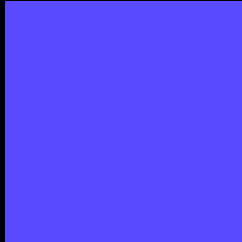
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 14.2912, 0.1830, 0.1058 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](#).

Yxy 14.2912, 0.1830, 0.1058

Background



This preview shows how black text looks on a background with the Yxy color 14.2912, 0.1830, 0.1058.



This preview shows how white text looks on a background with the Yxy color 14.2912, 0.1830, 0.1058.

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

14.2912, 0.1830, 0.1058

Protanopia

14.1115, 0.1744, 0.1477

Deuteranopia

14.1025, 0.1862, 0.1902



Tritanopia

13.9715, 0.2187, 0.3071

Trichromacy



Original Color

14.2912, 0.1830, 0.1058

Protanomaly

13.4069, 0.1720, 0.1255

Deuteranomaly

13.2925, 0.1781, 0.1451

Tritanomaly

12.6093, 0.1925, 0.1907

Monochromacy



Original Color

14.2912, 0.1830, 0.1058

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1994, 0.2425, 0.2043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2912, 0.1830, 0.1058 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(90, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 74, 255)  
}
```

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(90, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 74, 255) }
```

Border

The CSS property to change the border of an element to Yxy 14.2912, 0.1830, 0.1058 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(90, 74, 255) }
```

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

```
.border{ border-color:rgb(90, 74, 255) }
```

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

Here you see how a box with a 4 pixel rgb(90, 74, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 74,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2912, 0.1830, 0.1058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 74, 255) }
```

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

```
.background{ background-color: rgb(90, 74,  
255) }
```

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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