

Converting Colors

$Y_{xy}(14.7924, 0.2214, 0.1232)$

Have a look what the booklet for
Yxy(14.7924, 0.2214, 0.1232)
contains.

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Color

Yxy(14.8147, 0.2217, 0.1235)

Conversions

Conversions Part 1

Format	Color
Hex	8741E9
RGB	135, 65, 233
RGB Percent	53%, 25%, 91%
CMY	0.4704, 0.7452, 0.0863
CMYK	0.42, 0.72, 0.00, 0.09
HSL	265°, 79%, 58%
HSV	265°, 72%, 91%
XYZ	26.5945, 14.8147, 78.5479
YIQ	105.0820, -12.2080, 67.0880

Conversions

Conversions Part 2

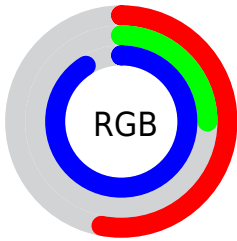
Format	Color
R _Y B	135, 65, 233
Decimal	8864233
CIE Lab	45.38, 62.46, -73.55
CIE LCh	45, 96.492, 310.342
Yxy	14.8147, 0.2217, 0.1235
Android (android.graphics.Color)	4287054313 (0xFF8741E9)
YUV	105.0820, 63.0636, 26.2381
Hunter-Lab	38.4899, 55.9769, -94.0527

Details

The Yxy color **14.8147, 0.2217, 0.1235** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **66.4380, 0.3556, 0.5229**, and the grayscale version is **13.9778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0158, 0.2657, 0.1804**, and **4.5904, 0.1882, 0.0810** is the 20% darker color. If you saturate the color by 10%, you get **11.6142, 0.2074, 0.1026**, and if you desaturate by 10%, it is **19.2620, 0.2368, 0.1493**.

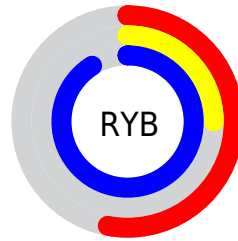
Distribution



Red (53%)

Green (25%)

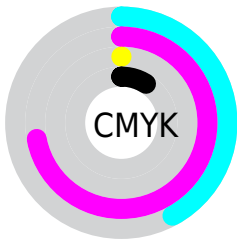
Blue (91%)



Red (53%)

Yellow (25%)

Blue (91%)

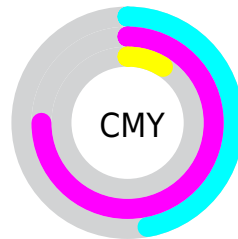


Cyan (42%)

Magenta (72%)

Yellow (0%)

Black (9%)



Cyan (47%)


Magenta (75%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8147, 0.2217, 0.1235 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 14.8147, 0.2217, 0.1235 by changing the saturation by 10% instead.


 14.8147, 0.2217,
0.1235


 14.8147, 0.2217,
0.1235


222.2419, 0.2752,
0.2201


 8.6894, 0.2069,
0.1033


 34.5278, 0.2425,
0.1560


 4.5392, 0.1878,
0.0803


 48.8844, 0.2499,
0.1691

 1.9795, 0.1625,
0.0547

 66.7536, 0.2561,
0.1804

 0.5955, 0.1294,
0.0274

 88.5197, 0.2612,
0.1904

 0.0000, 0.0874,
0.0000

 114.5672, 0.2655,
0.1992

 0.0000, 0.0000,
0.0000

145.2805, 0.2692,

0.2070

181.0439, 0.2724,
0.2139

■ 14.8147, 0.2217,
0.1235

■ 14.8147, 0.2217,
0.1235

■ 11.6142, 0.2074,
0.1026

■ 19.2620, 0.2368,
0.1493

■ 9.5084, 0.1946,
0.0877


■ 25.0809, 0.2519,
0.1785


■ 8.4336, 0.1858,
0.0797


■ 32.3817, 0.2663,
0.2092


■ 41.2630, 0.2796,
0.2401

■ 51.8145, 0.2915,
0.2700

 64.1191, 0.3020,
0.2981

 78.2541, 0.3110,
0.3239

 94.2920, 0.3186,
0.3472

 98.6632, 0.3256,
0.3503

Harmonies

Analogous

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



14.8147, 0.1200, 0.1044



14.8147, 0.2217, 0.1235



14.8147, 0.4019, 0.1744

Triad

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



14.8147, 0.2217, 0.1235



14.8147, 0.5736, 0.4264



14.8147, 0.0845, 0.3371

Complementary

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



14.8147, 0.2217, 0.1235



66.4380, 0.3556, 0.5229

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.



14.8147, 0.1648, 0.6128



14.8147, 0.2217, 0.1235



14.8147, 0.4369, 0.5631

Square

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



14.8147, 0.2217, 0.1235



14.8147, 0.6486, 0.3269



14.8147, 0.2930, 0.6916



14.8147, 0.0624, 0.1743

Rectangle

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



14.8147, 0.2217, 0.1235



14.8147, 0.5384, 0.2229



14.8147, 0.2930, 0.6916



14.8147, 0.1037, 0.4255

Sweetspot

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



14.8152, 0.2217, 0.1235



63.5970, 0.2915, 0.2700



33.1964, 0.2066, 0.2288



12.8123, 0.2884, 0.2620



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.



14.8152, 0.2217, 0.1235



12.7263, 0.2004, 0.0939



24.7203, 0.3054, 0.1648



14.8558, 0.3045, 0.3051



4.8544, 0.1874, 0.0806



0.4365, 0.2029, 0.0891

Inverse Universe

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



23.7429, 0.4094, 0.2309



24.9820, 0.4395, 0.2271



60.3201, 0.3070, 0.5558



15.2014, 0.3202, 0.3154



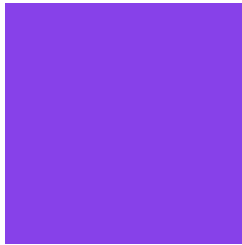
10.8610, 0.4608, 0.2312



0.8720, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 14.8147, 0.2217, 0.1235 looks on a white background.

Color Contrast Check

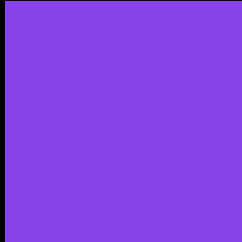
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8147, 0.2217, 0.1235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

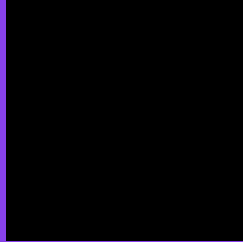
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.8147, 0.2217, 0.1235

Background



This preview shows how black text looks on a background with the Yxy color 14.8147, 0.2217, 0.1235.



This preview shows how white text looks on a background with the Yxy color 14.8147, 0.2217, 0.1235.

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

14.8147, 0.2217, 0.1235

Protanopia

15.0151, 0.1743, 0.1476

Deuteranopia

14.8260, 0.1849, 0.1858



Tritanopia

14.7111, 0.3053, 0.3124

Trichromacy



Original Color

14.8147, 0.2217, 0.1235



Protanomaly

13.3471, 0.1770, 0.1285



Deuteranomaly

13.0662, 0.1835, 0.1472



Tritanomaly

13.7680, 0.2673, 0.2128

Monochromacy



Original Color

14.8147, 0.2217, 0.1235



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.2923, 0.2700, 0.2171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8147, 0.2217, 0.1235 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(135, 65, 233)` looks like.

```
.text, #text, p{  
  color:rgb(135, 65, 233)  
}
```

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(135, 65, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 65, 233) }
```

Border

The CSS property to change the border of an element to Yxy 14.8147, 0.2217, 0.1235 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(135, 65, 233) }
```

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

```
.border{ border-color:rgb(135, 65, 233) }
```

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

Here you see how a box with a 4 pixel rgb(135, 65, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 65, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 65, 233);  
box-shadow:4px 4px 4px 4px rgb(135, 65,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8147, 0.2217, 0.1235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 65, 233) }
```

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

```
.background{ background-color: rgb(135, 65,  
233) }
```

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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