

Converting Colors

$Y_{xy}(14.7512, 0.2212, 0.1260)$

Have a look what the booklet for
Yxy(14.7512, 0.2212, 0.1260)
contains.

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Color

Yxy(14.7529, 0.2211, 0.1261)

Conversions

Conversions Part 1

Format	Color
Hex	8444E6
RGB	132, 68, 230
RGB Percent	52%, 27%, 90%
CMY	0.4824, 0.7333, 0.0979
CMYK	0.43, 0.70, 0.00, 0.10
HSL	264°, 76%, 58%
HSV	264°, 70%, 90%
XYZ	25.8673, 14.7529, 76.3735
YIQ	105.6040, -13.8580, 63.9500

Conversions

Conversions Part 2

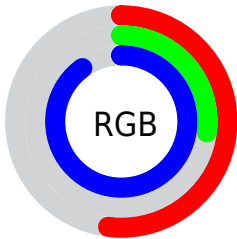
Format	Color
R_{YB}	132, 68, 230
Decimal	8668390
CIE Lab	45.29, 59.82, -72.02
CIE LCh	45, 93.628, 309.714
Yxy	14.7529, 0.2211, 0.1261
Android (android.graphics.Color)	4286858470 (0xFF8444E6)
YUV	105.6040, 61.3272, 23.1493
Hunter-Lab	38.4095, 52.9961, -91.0056

Details

The Yxy color **14.7529, 0.2211, 0.1261** 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 **65.1436, 0.3581, 0.5174**, and the grayscale version is **14.1313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9711, 0.2625, 0.1810**, and **4.5087, 0.1872, 0.0826** is the 20% darker color. If you saturate the color by 10%, you get **11.4475, 0.2063, 0.1040**, and if you desaturate by 10%, it is **19.2997, 0.2366, 0.1529**.

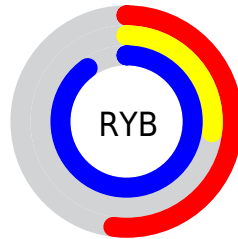
Distribution



Red (52%)

Green (27%)

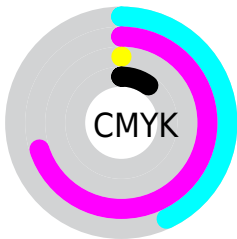
Blue (90%)



Red (52%)

Yellow (27%)

Blue (90%)

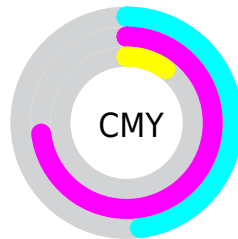


Cyan (43%)

Magenta (70%)

Yellow (0%)

Black (10%)



Cyan (48%)


Magenta (73%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7529, 0.2211, 0.1261 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 14.7529, 0.2211, 0.1261 by changing the saturation by 10% instead.


 14.7529, 0.2211,
0.1261

 14.7529, 0.2211,
0.1261


221.8657, 0.2749,
0.2223


 8.6461, 0.2062,
0.1058


 34.4191, 0.2420,
0.1587


 4.5111, 0.1869,
0.0824


 48.7474, 0.2495,
0.1717


 1.9634, 0.1614,
0.0564

 66.5849, 0.2557,
0.1830

 0.5861, 0.1278,
0.0283

 88.3161, 0.2608,
0.1929

 0.0000, 0.0852,
0.0000

 114.3254, 0.2652,
0.2016

 0.0000, 0.0000,
0.0000

144.9972, 0.2689,

0.2093

180.7158, 0.2721,
0.2161

■ 14.7529, 0.2211,
0.1261

■ 14.7529, 0.2211,
0.1261

■ 11.4475, 0.2063,
0.1040

■ 19.2997, 0.2366,
0.1529

■ 9.2403, 0.1931,
0.0879

■ 25.2063, 0.2521,
0.1828

■ 7.9310, 0.1823,
0.0778

■ 32.5782, 0.2669,
0.2140

■ 41.5097, 0.2805,
0.2450

■ 52.0872, 0.2926,
0.2748

64.3906, 0.3032,
0.3025

78.4943, 0.3123,
0.3279

94.4686, 0.3201,
0.3509

98.4952, 0.3273,
0.3532

Harmonies

Analogous

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



14.7529, 0.1218, 0.1077



14.7529, 0.2211, 0.1261



14.7529, 0.3958, 0.1761

Triad

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



14.7529, 0.2211, 0.1261



14.7529, 0.5737, 0.4263



14.7529, 0.0898, 0.3430

Complementary

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



14.7529, 0.2211, 0.1261



65.1436, 0.3581, 0.5174

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.



14.7529, 0.1719, 0.6079



14.7529, 0.2211, 0.1261



14.7529, 0.4413, 0.5587

Square

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



14.7529, 0.2211, 0.1261



14.7529, 0.6427, 0.3281



14.7529, 0.2996, 0.6809



14.7529, 0.0659, 0.1802

Rectangle

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



14.7529, 0.2211, 0.1261



14.7529, 0.5289, 0.2240



14.7529, 0.2996, 0.6809



14.7529, 0.1098, 0.4291

Sweetspot

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



14.7533, 0.2211, 0.1261



64.8272, 0.2918, 0.2728



34.9203, 0.2106, 0.2398



13.0443, 0.2886, 0.2647



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.



14.7533, 0.2211, 0.1261



12.8954, 0.1994, 0.0951



23.7175, 0.3001, 0.1645



14.1634, 0.3042, 0.3051



4.5547, 0.1839, 0.0787



0.3892, 0.2003, 0.0877

Inverse Universe

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



23.7180, 0.4008, 0.2285



25.5423, 0.4282, 0.2226



59.0526, 0.3097, 0.5496



14.5138, 0.3198, 0.3149



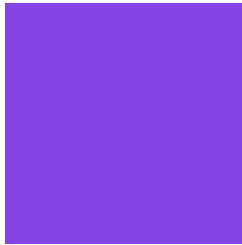
10.6072, 0.4515, 0.2261



0.8020, 0.4273, 0.2128

Previews

White Background



This preview shows how the Yxy color 14.7529, 0.2211, 0.1261 looks on a white background.

Color Contrast Check

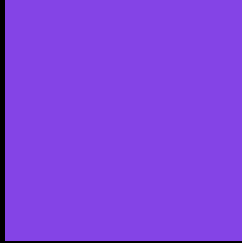
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7529, 0.2211, 0.1261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

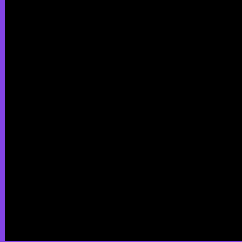
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7529, 0.2211, 0.1261

Background



This preview shows how black text looks on a background with the Yxy color 14.7529, 0.2211, 0.1261.



This preview shows how white text looks on a background with the Yxy color 14.7529, 0.2211, 0.1261.

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

14.7529, 0.2211, 0.1261

Protanopia

14.7625, 0.1741, 0.1469

Deuteranopia

14.8260, 0.1849, 0.1858



Tritanopia

14.7565, 0.3000, 0.3123

Trichromacy



Original Color

14.7529, 0.2211, 0.1261



Protanomaly

13.2146, 0.1771, 0.1296



Deuteranomaly

13.1724, 0.1838, 0.1494



Tritanomaly

13.9079, 0.2640, 0.2151

Monochromacy



Original Color

14.7529, 0.2211, 0.1261



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5335, 0.2700, 0.2217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7529, 0.2211, 0.1261 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(132, 68, 230)` looks like.

```
.text, #text, p{  
  color:rgb(132, 68, 230)  
}
```

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(132, 68, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 68, 230) }
```

Border

The CSS property to change the border of an element to Yxy 14.7529, 0.2211, 0.1261 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(132, 68, 230) }
```

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

```
.border{ border-color:rgb(132, 68, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 68, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 68, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 68, 230);  
box-shadow:4px 4px 4px 4px rgb(132, 68,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7529, 0.2211, 0.1261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 68, 230) }
```

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

```
.background{ background-color: rgb(132, 68,  
230) }
```

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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