

Converting Colors

$Y_{xy}(12.1888, 0.1801, 0.1172)$

Have a look what the booklet for
Yxy(12.1888, 0.1801, 0.1172)
contains.

Yxy(12.2412, 0.1799, 0.1173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.2412, 0.1799, 0.1173)

Conversions

Conversions Part 1

Format	Color
Hex	424FE2
RGB	66, 79, 226
RGB Percent	26%, 31%, 89%
CMY	0.7411, 0.6903, 0.1136
CMYK	0.71, 0.65, 0.00, 0.11
HSL	235°, 73%, 57%
HSV	235°, 71%, 89%
XYZ	18.7740, 12.2412, 73.3428
YIQ	91.8710, -54.9350, 42.9610

Conversions

Conversions Part 2

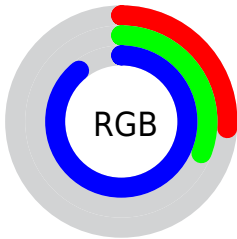
Format	Color
RYB	66, 78, 226
Decimal	4345826
CIELab	41.60, 42.93, -76.01
CIELCh	42, 87.298, 299.455
Yxy	12.2412, 0.1799, 0.1173
Android (android.graphics.Color)	4282535906 (0xFF424FE2)
YUV	91.8710, 66.1256, -22.6889
Hunter-Lab	34.9874, 34.5539, -99.7962

Details

The Yxy color **12.2412, 0.1799, 0.1173** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **64.1915, 0.4162, 0.4757**, and the grayscale version is **10.5271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9888, 0.2208, 0.1729**, and **4.0086, 0.1558, 0.0807** is the 20% darker color. If you saturate the color by 10%, you get **9.0628, 0.1657, 0.0923**, and if you desaturate by 10%, it is **16.6660, 0.1977, 0.1475**.

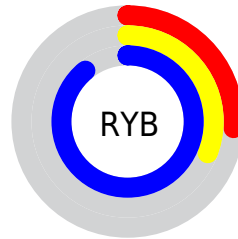
Distribution



Red (26%)

Green (31%)

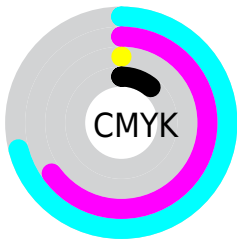
Blue (89%)



Red (26%)

Yellow (31%)

Blue (89%)

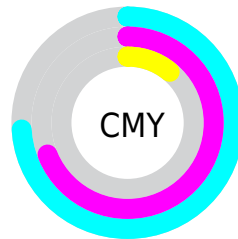


Cyan (71%)

Magenta (65%)

Yellow (0%)

Black (11%)



Cyan (74%)


Magenta (69%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2412, 0.1799, 0.1173 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 12.2412, 0.1799, 0.1173 by changing the saturation by 10% instead.


 12.2412, 0.1799,
0.1173


 12.2412, 0.1799,
0.1173


205.9956, 0.2546,
0.2202


 6.9082, 0.1606,
0.0956


 29.9336, 0.2080,
0.1523


 3.4047, 0.1365,
0.0710


 43.0618, 0.2184,
0.1663


 1.3465, 0.1066,
0.0445

 59.5572, 0.2270,
0.1785

 0.1768, 0.0715,
0.0099

 79.8042, 0.2343,
0.1890

 0.0000, 0.0167,
0.0000

 104.1871, 0.2405,
0.1983

 0.0000, 0.0000,
0.0000

133.0904, 0.2459,

0.2065

166.8984, 0.2505,
0.2137

■ 12.2412, 0.1799,
0.1173

■ 12.2412, 0.1799,
0.1173

■ 9.0628, 0.1657,
0.0923

■ 16.6660, 0.1977,
0.1475

■ 7.0006, 0.1561,
0.0743

■ 22.4480, 0.2178,
0.1804

■ 5.9348, 0.1512,
0.0643

■ 29.6866, 0.2386,
0.2140

■ 38.4716, 0.2590,
0.2463

■ 48.8856, 0.2783,
0.2763

61.0052, 0.2958,
0.3033

74.9024, 0.3116,
0.3273

90.6448, 0.3254,
0.3481

98.2724, 0.3297,
0.3571

Harmonies

Analogous

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



12.2412, 0.1027, 0.1091



12.2412, 0.1799, 0.1173



12.2412, 0.3285, 0.1563

Triad

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



12.2412, 0.1799, 0.1173



12.2412, 0.6088, 0.3912



12.2412, 0.1116, 0.4309

Complementary

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



12.2412, 0.1799, 0.1173



64.1915, 0.4162, 0.4757

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.



12.2412, 0.2138, 0.6638



12.2412, 0.1799, 0.1173



12.2412, 0.4898, 0.5102

Square

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



12.2412, 0.1799, 0.1173



12.2412, 0.6385, 0.3014



12.2412, 0.3497, 0.6503



12.2412, 0.0703, 0.2214

Rectangle

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



12.2412, 0.1799, 0.1173



12.2412, 0.4614, 0.1992



12.2412, 0.3497, 0.6503



12.2412, 0.1394, 0.5237

Sweetspot

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



12.2415, 0.1799, 0.1173



63.7393, 0.2776, 0.2753



60.3545, 0.2381, 0.3469



12.7858, 0.2724, 0.2672



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.



12.2415, 0.1799, 0.1173



10.4457, 0.1605, 0.0827



14.3543, 0.2238, 0.1270



13.4207, 0.2981, 0.3067



3.4533, 0.1515, 0.0655



0.3023, 0.1557, 0.0804

Inverse Universe

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



20.6373, 0.5350, 0.3179



22.9458, 0.5966, 0.3210



62.2083, 0.3556, 0.5197



13.7185, 0.3279, 0.3271



9.2567, 0.6308, 0.3249



0.6480, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 12.2412, 0.1799, 0.1173 looks on a white background.

Color Contrast Check

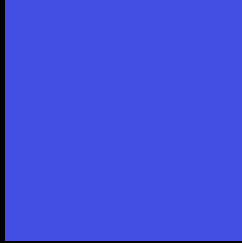
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2412, 0.1799, 0.1173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

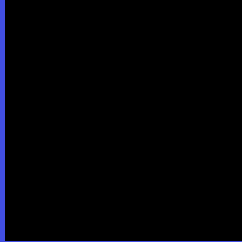
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2412, 0.1799, 0.1173

Background



This preview shows how black text looks on a background with the Yxy color 12.2412, 0.1799, 0.1173.



This preview shows how white text looks on a background with the Yxy color 12.2412, 0.1799, 0.1173.

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

12.2412, 0.1799, 0.1173

Protanopia

12.1289, 0.1744, 0.1478

Deuteranopia

12.0166, 0.1859, 0.1891



Tritanopia

11.9861, 0.2190, 0.3082

Trichromacy



Original Color

12.2412, 0.1799, 0.1173

Protanomaly

11.9424, 0.1733, 0.1339

Deuteranomaly

11.5662, 0.1793, 0.1536

Tritanomaly

11.1439, 0.1942, 0.2032

Monochromacy



Original Color

12.2412, 0.1799, 0.1173

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5785, 0.2406, 0.2160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2412, 0.1799, 0.1173 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(66, 79, 226)` looks like.

```
.text, #text, p{  
    color:rgb(66, 79, 226)  
}
```

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(66, 79, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 79, 226) }
```

Border

The CSS property to change the border of an element to Yxy 12.2412, 0.1799, 0.1173 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(66, 79, 226) }
```

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

```
.border{ border-color:rgb(66, 79, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 79, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 79, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 79, 226);  
box-shadow:4px 4px 4px 4px rgb(66, 79,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2412, 0.1799, 0.1173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 79, 226) }
```

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

```
.background{ background-color: rgb(66, 79,  
226) }
```

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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