

Converting Colors

$Y_{xy}(11.2245, 0.1720, 0.0942)$

Have a look what the booklet for
Yxy(11.2245, 0.1720, 0.0942)
contains.

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Color

Yxy(11.2311, 0.1721, 0.0942)

Conversions

Conversions Part 1

Format	Color
Hex	433EF5
RGB	67, 62, 245
RGB Percent	26%, 24%, 96%
CMY	0.7372, 0.7569, 0.0392
CMYK	0.73, 0.75, 0.00, 0.04
HSL	242°, 90%, 60%
HSV	242°, 75%, 96%
XYZ	20.5188, 11.2311, 87.4762
YIQ	84.3570, -55.7630, 57.9730

Conversions

Conversions Part 2

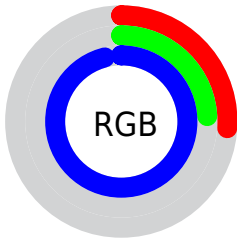
Format	Color
R _Y B	67, 62, 245
Decimal	4407029
CIE Lab	39.97, 58.71, -89.43
CIE LCh	40, 106.979, 303.283
Yxy	11.2311, 0.1721, 0.0942
Android (android.graphics.Color)	4282597109 (0xFF433EF5)
YUV	84.3570, 79.1970, -15.2221
Hunter-Lab	33.5128, 50.6423, -131.3015

Details

The Yxy color **11.2311, 0.1721, 0.0942** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **84.1811, 0.4067, 0.4929**, and the grayscale version is **8.7855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.3838, 0.2214, 0.1558**, and **3.8508, 0.1511, 0.0639** is the 20% darker color. If you saturate the color by 10%, you get **8.4645, 0.1598, 0.0744**, and if you desaturate by 10%, it is **15.5440, 0.1889, 0.1216**.

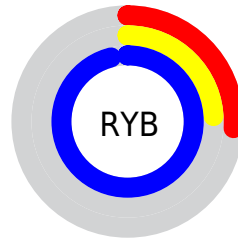
Distribution



Red (26%)

Green (24%)

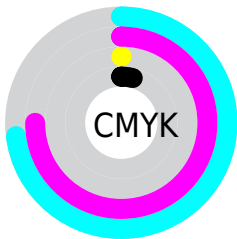
Blue (96%)



Red (26%)

Yellow (24%)

Blue (96%)

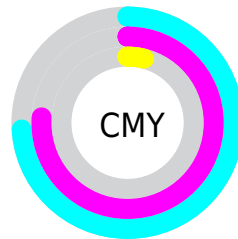


Cyan (73%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (74%)


Magenta (76%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2311, 0.1721, 0.0942 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 11.2311, 0.1721, 0.0942 by changing the saturation by 10% instead.


 11.2311, 0.1721,
0.0942


 11.2311, 0.1721,
0.0942


199.2462, 0.2508,
0.2019


 6.2225, 0.1526,
0.0737


 28.0867, 0.2012,
0.1291

 2.9808, 0.1287,
0.0517


 40.7025, 0.2121,
0.1436


 1.1217, 0.1000,
0.0297

 56.6229, 0.2213,
0.1564

 0.0000, 0.0675,
0.0000

 76.2321, 0.2290,
0.1677

 0.0000, 0.0272,
0.0000

 99.9147, 0.2357,
0.1777

 0.0000, 0.0000,
0.0000

 128.0550, 0.2414,

0.1867

161.0374, 0.2464,
0.1947

■ 11.2311, 0.1721,
0.0942

■ 11.2311, 0.1721,
0.0942

■ 8.4645, 0.1598,
0.0744

■ 15.5440, 0.1889,
0.1216

■ 7.0226, 0.1526,
0.0634

■ 21.5836, 0.2088,
0.1544

■ 6.6361, 0.1506,
0.0603

■ 29.5060, 0.2301,
0.1898

■ 39.4499, 0.2513,
0.2252

■ 51.5407, 0.2714,
0.2589

■ 65.8938, 0.2896,
0.2898

■ 82.6164, 0.3058,
0.3173

■ 99.3729, 0.3185,
0.3386

Harmonies

Analogous

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



11.2311, 0.0839, 0.0819



11.2311, 0.1721, 0.0942



11.2311, 0.3568, 0.1379

Triad

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



11.2311, 0.1721, 0.0942



11.2311, 0.6212, 0.3788



11.2311, 0.0665, 0.4042

Complementary

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



11.2311, 0.1721, 0.0942



84.1811, 0.4067, 0.4929

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.



11.2311, 0.1554, 0.7426



11.2311, 0.1721, 0.0942



11.2311, 0.4680, 0.5320

Square

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



11.2311, 0.1721, 0.0942



11.2311, 0.6971, 0.2848



11.2311, 0.2916, 0.7084



11.2311, 0.0411, 0.1734

Rectangle

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



11.2311, 0.1721, 0.0942



11.2311, 0.5250, 0.1848



11.2311, 0.2916, 0.7084



11.2311, 0.0884, 0.5307

Sweetspot

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



11.2313, 0.1721, 0.0942



60.3600, 0.2764, 0.2674



71.0944, 0.2295, 0.3250



12.0598, 0.2712, 0.2587



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.



11.2313, 0.1721, 0.0942



8.2403, 0.1552, 0.0673



17.1610, 0.2334, 0.1251



15.9483, 0.2983, 0.3045



3.5844, 0.1508, 0.0605



0.3225, 0.1530, 0.0616

Inverse Universe

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



29.1497, 0.3253, 0.1721



28.7992, 0.3271, 0.1606



72.1826, 0.3436, 0.5370



16.7600, 0.3142, 0.3063



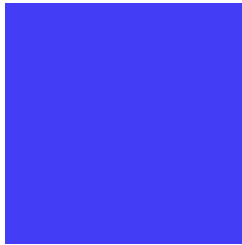
13.7966, 0.3279, 0.1580



1.2150, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 11.2311, 0.1721, 0.0942 looks on a white background.

Color Contrast Check

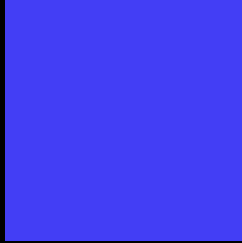
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2311, 0.1721, 0.0942 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 11.2311, 0.1721, 0.0942

Background



This preview shows how black text looks on a background with the Yxy color 11.2311, 0.1721, 0.0942.



This preview shows how white text looks on a background with the Yxy color 11.2311, 0.1721, 0.0942.

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

11.2311, 0.1721, 0.0942

Protanopia

10.9865, 0.1749, 0.1496

Deuteranopia

10.9390, 0.1868, 0.1925



Tritanopia

11.0264, 0.2202, 0.3127

Trichromacy



Original Color

11.2311, 0.1721, 0.0942

Protanomaly

10.5350, 0.1698, 0.1213

Deuteranomaly

10.3406, 0.1751, 0.1387

Tritanomaly

9.8422, 0.1883, 0.1815

Monochromacy



Original Color

11.2311, 0.1721, 0.0942

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7718, 0.2294, 0.1883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2311, 0.1721, 0.0942 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(67, 62, 245)` looks like.

```
.text, #text, p{  
    color:rgb(67, 62, 245)  
}
```

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(67, 62, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 62, 245) }
```

Border

The CSS property to change the border of an element to Yxy 11.2311, 0.1721, 0.0942 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(67, 62, 245) }
```

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

```
.border{ border-color:rgb(67, 62, 245) }
```

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

Here you see how a box with a 4 pixel rgb(67, 62, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 62, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 62, 245);  
box-shadow:4px 4px 4px 4px rgb(67, 62,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2311, 0.1721, 0.0942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 62, 245) }
```

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

```
.background{ background-color: rgb(67, 62,  
245) }
```

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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