

Converting Colors

$Y_{xy}(13.4008, 0.2096, 0.1184)$

Have a look what the booklet for
Yxy(13.4008, 0.2096, 0.1184)
contains.

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Color

Yxy(13.4157, 0.2097, 0.1183)

Conversions

Conversions Part 1

Format	Color
Hex	7741E6
RGB	119, 65, 230
RGB Percent	47%, 25%, 90%
CMY	0.5334, 0.7451, 0.0980
CMYK	0.48, 0.72, 0.00, 0.10
HSL	260°, 77%, 58%
HSV	260°, 72%, 90%
XYZ	23.7808, 13.4157, 76.2075
YIQ	99.9560, -20.7810, 62.7630

Conversions

Conversions Part 2

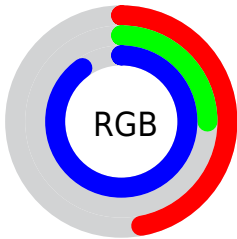
Format	Color
R _Y B	119, 65, 230
Decimal	7815654
CIE Lab	43.38, 59.10, -75.19
CIE LCh	43, 95.637, 308.170
Yxy	13.4157, 0.2097, 0.1183
Android (android.graphics.Color)	4286005734 (0xFF7741E6)
YUV	99.9560, 64.1117, 16.7016
Hunter-Lab	36.6274, 51.7953, -97.7203

Details

The Yxy color **13.4157, 0.2097, 0.1183** 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 **66.2149, 0.3665, 0.5146**, and the grayscale version is **12.5702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5263, 0.2521, 0.1731**, and **3.9099, 0.1726, 0.0740** is the 20% darker color. If you saturate the color by 10%, you get **10.2840, 0.1944, 0.0963**, and if you desaturate by 10%, it is **17.8007, 0.2263, 0.1455**.

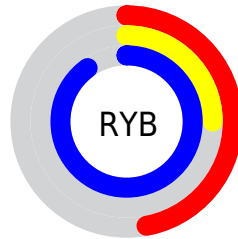
Distribution



Red (47%)

Green (25%)

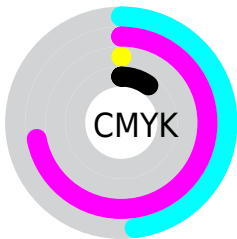
Blue (90%)



Red (47%)

Yellow (25%)

Blue (90%)

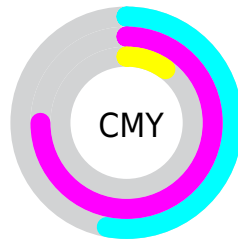


Cyan (48%)

Magenta (72%)

Yellow (0%)

Black (10%)



Cyan (53%)


Magenta (75%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4157, 0.2097, 0.1183 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 13.4157, 0.2097, 0.1183 by changing the saturation by 10% instead.


 13.4157, 0.2097,
0.1183

 13.4157, 0.2097,
0.1183


213.5649, 0.2698,
0.2181

 7.7154, 0.1933,
0.0975


 32.0486, 0.2329,
0.1519


 3.9134, 0.1723,
0.0740


 45.7500, 0.2413,
0.1654


 1.6252, 0.1449,
0.0483

 62.8873, 0.2482,
0.1772

 0.3745, 0.1103,
0.0187

 83.8448, 0.2540,
0.1875

 0.0000, 0.0671,
0.0000

 109.0069, 0.2589,
0.1965

 0.0000, 0.0000,
0.0000

138.7580, 0.2630,

0.2046

173.4826, 0.2666,
0.2117

■ 13.4157, 0.2097,
0.1183

■ 13.4157, 0.2097,
0.1183

■ 10.2840, 0.1944,
0.0963

■ 17.8007, 0.2263,
0.1455

■ 8.2563, 0.1813,
0.0807


■ 23.5624, 0.2432,
0.1761


■ 7.2200, 0.1724,
0.0724

■ 30.8101, 0.2595,
0.2081


■ 39.6413, 0.2747,
0.2400

■ 50.1453, 0.2885,
0.2705

 62.4045, 0.3006,
0.2989

 76.4958, 0.3111,
0.3248

 92.4914, 0.3200,
0.3480

 98.4938, 0.3274,
0.3532

Harmonies

Analogous

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



13.4157, 0.1124, 0.1013



13.4157, 0.2097, 0.1183



13.4157, 0.3880, 0.1671

Triad

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



13.4157, 0.2097, 0.1183



13.4157, 0.5841, 0.4159



13.4157, 0.0843, 0.3546

Complementary

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



13.4157, 0.2097, 0.1183



66.2149, 0.3665, 0.5146

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.



13.4157, 0.1690, 0.6379



13.4157, 0.2097, 0.1183



13.4157, 0.4466, 0.5534

Square

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



13.4157, 0.2097, 0.1183



13.4157, 0.6554, 0.3184



13.4157, 0.3019, 0.6981



13.4157, 0.0597, 0.1783

Rectangle

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



13.4157, 0.2097, 0.1183



13.4157, 0.5294, 0.2150



13.4157, 0.3019, 0.6981



13.4157, 0.1049, 0.4488

Sweetspot

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



13.4161, 0.2097, 0.1183



62.8117, 0.2880, 0.2694



38.5828, 0.2134, 0.2546



12.6283, 0.2844, 0.2613



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.



13.4161, 0.2097, 0.1183



11.6175, 0.1879, 0.0880



21.7412, 0.2880, 0.1568



14.1150, 0.3031, 0.3051



4.1461, 0.1739, 0.0732



0.3553, 0.1899, 0.0820

Inverse Universe

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



23.7415, 0.3868, 0.2167



25.9329, 0.4079, 0.2097



59.4286, 0.3145, 0.5497



14.5308, 0.3188, 0.3133



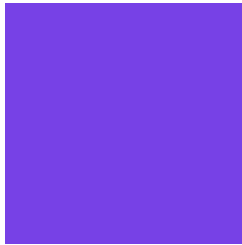
10.8827, 0.4247, 0.2113



0.8211, 0.4057, 0.2009

Previews

White Background



This preview shows how the Yxy color 13.4157, 0.2097, 0.1183 looks on a white background.

Color Contrast Check

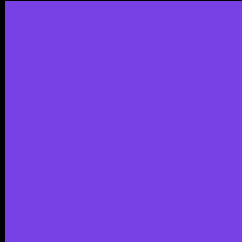
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4157, 0.2097, 0.1183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

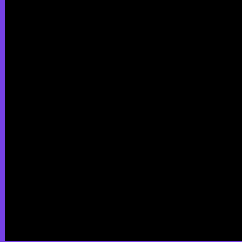
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4157, 0.2097, 0.1183

Background



This preview shows how black text looks on a background with the Yxy color 13.4157, 0.2097, 0.1183.



This preview shows how white text looks on a background with the Yxy color 13.4157, 0.2097, 0.1183.

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

13.4157, 0.2097, 0.1183

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.3984, 0.1852, 0.1867



Tritanopia

13.3216, 0.2792, 0.3109

Trichromacy



Original Color

13.4157, 0.2097, 0.1183



Protanomaly

12.2878, 0.1758, 0.1286



Deuteranomaly

11.9031, 0.1817, 0.1457



Tritanomaly

12.3653, 0.2458, 0.2053

Monochromacy



Original Color

13.4157, 0.2097, 0.1183



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0488, 0.2635, 0.2154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4157, 0.2097, 0.1183 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(119, 65, 230)` looks like.

```
.text, #text, p{  
    color:rgb(119, 65, 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(119, 65, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 65, 230) }
```

Border

The CSS property to change the border of an element to Yxy 13.4157, 0.2097, 0.1183 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(119, 65, 230) }
```

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

```
.border{ border-color:rgb(119, 65, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 65, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 65, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 65, 230);  
box-shadow:4px 4px 4px 4px rgb(119, 65,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4157, 0.2097, 0.1183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 65, 230) }
```

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

```
.background{ background-color: rgb(119, 65,  
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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