

Converting Colors

$Y_{xy}(13.3462, 0.1766, 0.1005)$

Have a look what the booklet for
Yxy(13.3462, 0.1766, 0.1005)
contains.

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Color

Yxy(13.3462, 0.1766, 0.1005)

Conversions

Conversions Part 1

Format	Color
Hex	4E47FF
RGB	78, 71, 255
RGB Percent	31%, 28%, 100%
CMY	0.6941, 0.7217, 0.0000
CMYK	0.69, 0.72, 0.00, 0.00
HSL	242°, 100%, 64%
HSV	242°, 72%, 100%
XYZ	23.4521, 13.3462, 95.9997
YIQ	94.0690, -54.8920, 58.7080

Conversions

Conversions Part 2

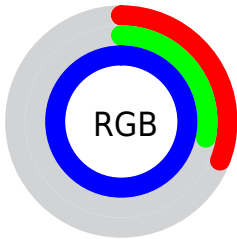
Format	Color
R _Y B	78, 71, 255
Decimal	5130239
CIE Lab	43.28, 58.09, -89.57
CIE LCh	43, 106.757, 302.964
Yxy	13.3462, 0.1766, 0.1005
Android (android.graphics.Color)	4283320319 (0xFF4E47FF)
YUV	94.0690, 79.3390, -14.0925
Hunter-Lab	36.5325, 50.6569, -130.2291

Details

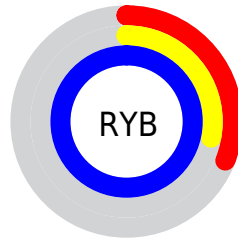
The Yxy color **13.3462, 0.1766, 0.1005** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **91.9266, 0.4038, 0.4910**, and the grayscale version is **11.0254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4350, 0.2289, 0.1687**, and **4.6050, 0.1521, 0.0676** is the 20% darker color. If you saturate the color by 10%, you get **9.9027, 0.1629, 0.0787**, and if you desaturate by 10%, it is **18.5276, 0.1944, 0.1295**.

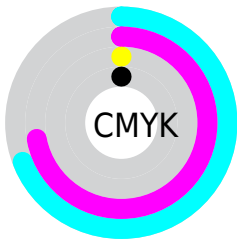
Distribution



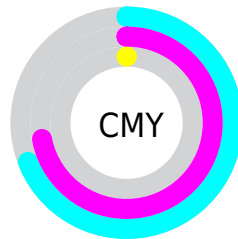
- Red (31%)
- Green (28%)
- Blue (100%)



- Red (31%)
- Yellow (28%)
- Blue (100%)



- Cyan (69%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3462, 0.1766, 0.1005 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 13.3462, 0.1766, 0.1005 by changing the saturation by 10% instead.


 13.3462, 0.1766,
0.1005


 13.3462, 0.1766,
0.1005


213.1247, 0.2514,
0.2041


 7.6674, 0.1583,
0.0806


 31.9244, 0.2040,
0.1340

 3.8829, 0.1359,
0.0590


 45.5925, 0.2144,
0.1479

 1.6082, 0.1088,
0.0368


 62.6925, 0.2231,
0.1602

 0.3632, 0.0772,
0.0131

 83.6088, 0.2305,
0.1711

 0.0000, 0.0425,
0.0000

 108.7257, 0.2369,
0.1808

 0.0000, 0.0000,
0.0000

138.4278, 0.2424,

0.1894

173.0993, 0.2472,
0.1972

■ 13.3462, 0.1766,
0.1005

■ 13.3462, 0.1766,
0.1005

■ 9.9027, 0.1629,
0.0787

■ 18.5276, 0.1944,
0.1295

■ 7.9797, 0.1542,
0.0654

■ 25.6480, 0.2148,
0.1632

■ 7.2828, 0.1508,
0.0604

■ 34.8691, 0.2361,
0.1987

■ 46.3385, 0.2570,
0.2339

■ 60.1905, 0.2765,
0.2670

■ 76.5489, 0.2941,
0.2970

■ 95.5290, 0.3096,
0.3237

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



13.3462, 0.0897, 0.0885



13.3462, 0.1766, 0.1005



13.3462, 0.3534, 0.1439

Triad

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



13.3462, 0.1766, 0.1005



13.3462, 0.6156, 0.3844



13.3462, 0.0764, 0.4060

Complementary

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



13.3462, 0.1766, 0.1005



91.9266, 0.4038, 0.4910

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.



13.3462, 0.1689, 0.7179



13.3462, 0.1766, 0.1005



13.3462, 0.4710, 0.5290

Square

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



13.3462, 0.1766, 0.1005



13.3462, 0.6828, 0.2916



13.3462, 0.3048, 0.6952



13.3462, 0.0477, 0.1831

Rectangle

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



13.3462, 0.1766, 0.1005



13.3462, 0.5122, 0.1904



13.3462, 0.3048, 0.6952



13.3462, 0.0997, 0.5228

Sweetspot

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



13.3424, 0.1766, 0.1005



60.4441, 0.2768, 0.2675



76.2269, 0.2297, 0.3214



12.0792, 0.2717, 0.2588



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.



13.3424, 0.1766, 0.1005



8.8003, 0.1581, 0.0712



20.1712, 0.2391, 0.1315



17.4108, 0.2984, 0.3044



3.8197, 0.1511, 0.0606



0.3830, 0.1538, 0.0621

Inverse Universe

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



32.5387, 0.3269, 0.1760



29.0426, 0.3293, 0.1634



79.1278, 0.3420, 0.5330



18.2877, 0.3144, 0.3065



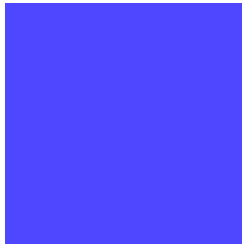
14.5674, 0.3307, 0.1595



1.4220, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 13.3462, 0.1766, 0.1005 looks on a white background.

Color Contrast Check

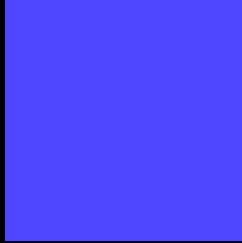
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3462, 0.1766, 0.1005 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 13.3462, 0.1766, 0.1005

Background



This preview shows how black text looks on a background with the Yxy color 13.3462, 0.1766, 0.1005.



This preview shows how white text looks on a background with the Yxy color 13.3462, 0.1766, 0.1005.

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

13.3462, 0.1766, 0.1005

Protanopia

13.1916, 0.1746, 0.1485

Deuteranopia

13.0352, 0.1860, 0.1896



Tritanopia

12.9444, 0.2191, 0.3088

Trichromacy



Original Color

13.3462, 0.1766, 0.1005



Protanomaly

12.6081, 0.1707, 0.1235



Deuteranomaly

12.3089, 0.1762, 0.1415



Tritanomaly

11.6608, 0.1899, 0.1859

Monochromacy



Original Color

13.3462, 0.1766, 0.1005



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.0302, 0.2352, 0.1980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3462, 0.1766, 0.1005 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(78, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 71, 255)  
}
```

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(78, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.3462, 0.1766, 0.1005 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(78, 71, 255) }
```

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

```
.border{ border-color:rgb(78, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3462, 0.1766, 0.1005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 71, 255) }
```

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

```
.background{ background-color: rgb(78, 71,  
255) }
```

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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