

Converting Colors

$Y_{xy}(13.4322, 0.1759, 0.1012)$

Have a look what the booklet for
Yxy(13.4322, 0.1759, 0.1012)
contains.

Yxy(13.3912, 0.1759, 0.1009)	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>	29

Color

Yxy(13.3912, 0.1759, 0.1009)

Conversions

Conversions Part 1

Format	Color
Hex	4C48FF
RGB	76, 72, 255
RGB Percent	30%, 28%, 100%
CMY	0.7023, 0.7176, 0.0000
CMYK	0.70, 0.72, 0.00, 0.00
HSL	241°, 100%, 64%
HSV	241°, 72%, 100%
XYZ	23.3450, 13.3912, 95.9813
YIQ	94.0580, -56.3590, 57.7610

Conversions

Conversions Part 2

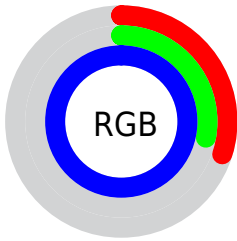
Format	Color
R _Y B	76, 72, 255
Decimal	4999423
CIE Lab	43.35, 57.32, -89.44
CIE LCh	43, 106.236, 302.655
Yxy	13.3912, 0.1759, 0.1009
Android (android.graphics.Color)	4283189503 (0xFF4C48FF)
YUV	94.0580, 79.3444, -15.8369
Hunter-Lab	36.5940, 49.8340, -129.8943

Details

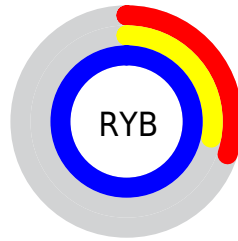
The Yxy color **13.3912, 0.1759, 0.1009** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **92.5165, 0.4056, 0.4890**, and the grayscale version is **11.0235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5890, 0.2284, 0.1695**, and **4.6845, 0.1524, 0.0686** is the 20% darker color. If you saturate the color by 10%, you get **9.9173, 0.1623, 0.0789**, and if you desaturate by 10%, it is **18.6246, 0.1938, 0.1302**.

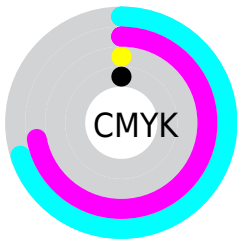
Distribution



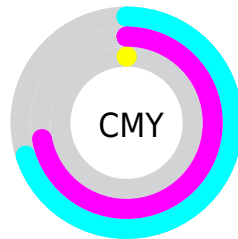
- Red (30%)
- Green (28%)
- Blue (100%)



- Red (30%)
- Yellow (28%)
- Blue (100%)



- Cyan (70%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3912, 0.1759, 0.1009 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 13.3912, 0.1759, 0.1009 by changing the saturation by 10% instead.


 13.3912, 0.1759,
0.1009


 13.3912, 0.1759,
0.1009


213.4098, 0.2510,
0.2045


 7.6985, 0.1576,
0.0810


 32.0048, 0.2034,
0.1344


 3.9026, 0.1351,
0.0594


 45.6945, 0.2138,
0.1483

 1.6192, 0.1080,
0.0370

 62.8187, 0.2225,
0.1606

 0.3705, 0.0765,
0.0134

 83.7616, 0.2300,
0.1715

 0.0000, 0.0419,
0.0000

 108.9078, 0.2364,
0.1812

 0.0000, 0.0000,
0.0000

138.6417, 0.2419,

0.1898

173.3475, 0.2468,
0.1975

■ 13.3912, 0.1759,
0.1009

■ 13.3912, 0.1759,
0.1009

■ 9.9173, 0.1623,
0.0789

■ 18.6246, 0.1938,
0.1302

■ 7.9766, 0.1538,
0.0654

■ 25.8128, 0.2143,
0.1641

■ 7.2550, 0.1504,
0.0602

■ 35.1212, 0.2358,
0.1998

■ 46.6988, 0.2569,
0.2351

■ 60.6811, 0.2766,
0.2681

■ 77.1929, 0.2944,
0.2981

■ 96.3505, 0.3102,
0.3247

■ 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.



13.3912, 0.0898, 0.0892



13.3912, 0.1759, 0.1009



13.3912, 0.3510, 0.1440

Triad

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



13.3912, 0.1759, 0.1009



13.3912, 0.6161, 0.3839



13.3912, 0.0779, 0.4092

Complementary

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



13.3912, 0.1759, 0.1009



92.5165, 0.4056, 0.4890

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.



13.3912, 0.1713, 0.7170



13.3912, 0.1759, 0.1009



13.3912, 0.4728, 0.5272

Square

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



13.3912, 0.1759, 0.1009



13.3912, 0.6814, 0.2916



13.3912, 0.3075, 0.6925



13.3912, 0.0484, 0.1853

Rectangle

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



13.3912, 0.1759, 0.1009



13.3912, 0.5088, 0.1902



13.3912, 0.3075, 0.6925



13.3912, 0.1016, 0.5253

Sweetspot

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



13.3899, 0.1759, 0.1009



60.3132, 0.2762, 0.2674



78.1880, 0.2309, 0.3251



12.0491, 0.2710, 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.



13.3899, 0.1759, 0.1009



8.9222, 0.1580, 0.0721



20.0244, 0.2370, 0.1310



17.3962, 0.2982, 0.3044



3.7989, 0.1506, 0.0603



0.3761, 0.1521, 0.0612

Inverse Universe

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



32.8685, 0.3238, 0.1745



29.4265, 0.3253, 0.1618



79.5091, 0.3439, 0.5308



18.2933, 0.3141, 0.3061



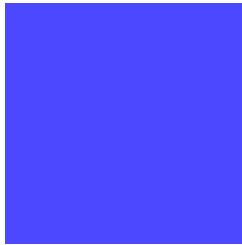
14.7043, 0.3263, 0.1571



1.4338, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 13.3912, 0.1759, 0.1009 looks on a white background.

Color Contrast Check

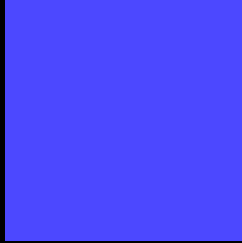
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3912, 0.1759, 0.1009 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 13.3912, 0.1759, 0.1009

Background



This preview shows how black text looks on a background with the Yxy color 13.3912, 0.1759, 0.1009.



This preview shows how white text looks on a background with the Yxy color 13.3912, 0.1759, 0.1009.

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

13.3912, 0.1759, 0.1009

Protanopia

13.1916, 0.1746, 0.1485

Trichromacy



Original Color

13.3912, 0.1759, 0.1009

Protanomaly

12.7735, 0.1711, 0.1248

Monochromacy



Original Color

13.3912, 0.1759, 0.1009

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.9817, 0.2341, 0.1977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3912, 0.1759, 0.1009 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(76, 72, 255)` looks like.

```
.text, #text, p{  
  color:rgb(76, 72, 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(76, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 72, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.3912, 0.1759, 0.1009 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(76, 72, 255) }
```

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

```
.border{ border-color:rgb(76, 72, 255) }
```

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

Here you see how a box with a 4 pixel rgb(76, 72, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 72,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 13.3912, 0.1759, 0.1009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 72, 255) }
```

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

```
.background{ background-color: rgb(76, 72,  
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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