

Converting Colors

$Y_{xy}(13.6644, 0.1765, 0.1026)$

Have a look what the booklet for
Yxy(13.6644, 0.1765, 0.1026)
contains.

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Color

Yxy(13.6541, 0.1764, 0.1026)

Conversions

Conversions Part 1

Format	Color
Hex	4C4AFF
RGB	76, 74, 255
RGB Percent	30%, 29%, 100%
CMY	0.7016, 0.7098, 0.0003
CMYK	0.70, 0.71, 0.00, 0.00
HSL	241°, 100%, 64%
HSV	241°, 71%, 100%
XYZ	23.4755, 13.6541, 95.9513
YIQ	95.2320, -56.9090, 56.7150

Conversions

Conversions Part 2

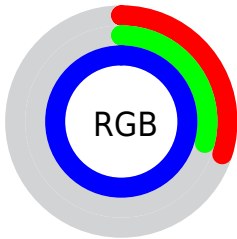
Format	Color
R _Y B	76, 74, 255
Decimal	4999935
CIE Lab	43.73, 56.24, -88.76
CIE LCh	44, 105.077, 302.360
Yxy	13.6541, 0.1764, 0.1026
Android (android.graphics.Color)	4283190015 (0xFF4C4AFF)
YUV	95.2320, 78.7656, -16.8665
Hunter-Lab	36.9515, 48.7370, -128.0915

Details

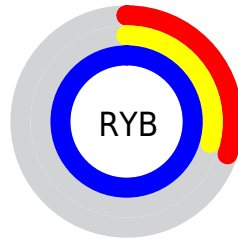
The Yxy color **13.6541, 0.1764, 0.1026** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **92.8287, 0.4063, 0.4871**, and the grayscale version is **11.3262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8383, 0.2286, 0.1706**, and **4.7700, 0.1527, 0.0697** is the 20% darker color. If you saturate the color by 10%, you get **10.0728, 0.1626, 0.0800**, and if you desaturate by 10%, it is **19.0179, 0.1945, 0.1323**.

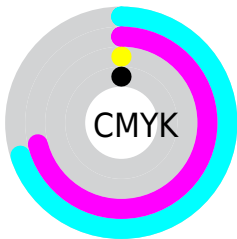
Distribution



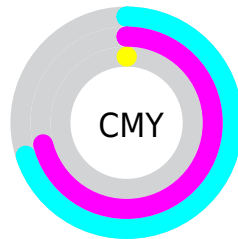
- Red (30%)
- Green (29%)
- Blue (100%)



- Red (30%)
- Yellow (29%)
- Blue (100%)



- Cyan (70%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6541, 0.1764, 0.1026 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 13.6541, 0.1764, 0.1026 by changing the saturation by 10% instead.


 13.6541, 0.1764,
0.1026


 13.6541, 0.1764,
0.1026


215.0682, 0.2511,
0.2056


 7.8805, 0.1582,
0.0827


 32.4740, 0.2038,
0.1360


 4.0186, 0.1358,
0.0610


 46.2891, 0.2141,
0.1499


 1.6840, 0.1088,
0.0384

 63.5534, 0.2228,
0.1621

 0.4132, 0.0773,
0.0149

 84.6515, 0.2302,
0.1729

 0.0000, 0.0427,
0.0000

 109.9676, 0.2366,
0.1825

 0.0000, 0.0000,
0.0000

139.8861, 0.2421,

0.1910

174.7916, 0.2469,
0.1987

■ 13.6541, 0.1764,
0.1026

■ 13.6541, 0.1764,
0.1026

■ 10.0728, 0.1626,
0.0800

■ 19.0179, 0.1945,
0.1323

■ 8.0449, 0.1539,
0.0660

■ 26.3542, 0.2152,
0.1665

■ 7.2348, 0.1503,
0.0601

■ 35.8297, 0.2368,
0.2024

■ 47.5929, 0.2580,
0.2376

■ 61.7795, 0.2777,
0.2706

■ 78.5143, 0.2956,
0.3003

■ 97.9136, 0.3113,
0.3266

■ 99.9959, 0.3128,
0.3291

Harmonies

Analogous

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



13.6541, 0.0911, 0.0912



13.6541, 0.1764, 0.1026



13.6541, 0.3486, 0.1453

Triad

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



13.6541, 0.1764, 0.1026



13.6541, 0.6152, 0.3848



13.6541, 0.0813, 0.4116

Complementary

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



13.6541, 0.1764, 0.1026



92.8287, 0.4063, 0.4871

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.



13.6541, 0.1759, 0.7110



13.6541, 0.1764, 0.1026



13.6541, 0.4746, 0.5254

Square

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



13.6541, 0.1764, 0.1026



13.6541, 0.6772, 0.2930



13.6541, 0.3121, 0.6879



13.6541, 0.0505, 0.1890

Rectangle

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



13.6541, 0.1764, 0.1026



13.6541, 0.5037, 0.1913



13.6541, 0.3121, 0.6879



13.6541, 0.1054, 0.5252

Sweetspot

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



13.6544, 0.1764, 0.1026



61.7692, 0.2777, 0.2705



80.1510, 0.2322, 0.3288



12.3292, 0.2724, 0.2617



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.



13.6544, 0.1764, 0.1026



9.0884, 0.1584, 0.0733



20.0570, 0.2354, 0.1315



17.3877, 0.2980, 0.3044



3.7868, 0.1504, 0.0602



0.3721, 0.1512, 0.0606

Inverse Universe

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



33.2287, 0.3220, 0.1744



29.7226, 0.3231, 0.1612



79.9162, 0.3459, 0.5277



18.2966, 0.3140, 0.3059



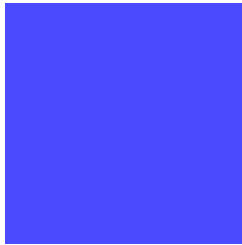
14.7851, 0.3238, 0.1557



1.4407, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 13.6541, 0.1764, 0.1026 looks on a white background.

Color Contrast Check

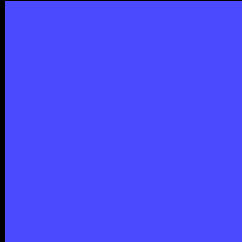
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6541, 0.1764, 0.1026 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 13.6541, 0.1764, 0.1026

Background



This preview shows how black text looks on a background with the Yxy color 13.6541, 0.1764, 0.1026.

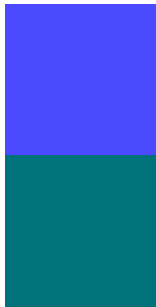


This preview shows how white text looks on a background with the Yxy color 13.6541, 0.1764, 0.1026.

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

13.6541, 0.1764, 0.1026

Tritanopia

13.4151, 0.2199, 0.3115

Trichromacy



Original Color

13.6541, 0.1764, 0.1026



Tritanomaly

12.0728, 0.1906, 0.1887

Monochromacy



Original Color

13.6541, 0.1764, 0.1026



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.1910, 0.2355, 0.1999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6541, 0.1764, 0.1026 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, 74, 255)` looks like.

```
.text, #text, p{  
  color:rgb(76, 74, 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, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 74, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.6541, 0.1764, 0.1026 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, 74, 255) }
```

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

```
.border{ border-color:rgb(76, 74, 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, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 74,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 13.6541, 0.1764, 0.1026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 74, 255) }
```

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

```
.background{ background-color: rgb(76, 74,  
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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