

Converting Colors

$Y_{xy}(16.7203, 0.1934, 0.1192)$

Have a look what the booklet for
Yxy(16.7203, 0.1934, 0.1192)
contains.

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Color

Yxy(16.7203, 0.1934, 0.1192)

Conversions

Conversions Part 1

Format	Color
Hex	6955FF
RGB	105, 85, 255
RGB Percent	41%, 33%, 100%
CMY	0.5881, 0.6667, 0.0000
CMYK	0.59, 0.67, 0.00, 0.00
HSL	247°, 100%, 67%
HSV	247°, 67%, 100%
XYZ	27.1284, 16.7203, 96.4223
YIQ	110.3600, -42.6500, 57.1100

Conversions

Conversions Part 2

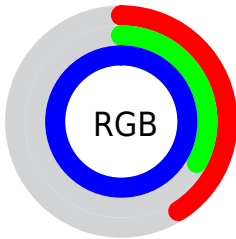
Format	Color
R _Y B	105, 85, 255
Decimal	6903295
CIE Lab	47.91, 53.75, -81.88
CIE LCh	48, 97.943, 303.283
Yxy	16.7203, 0.1934, 0.1192
Android (android.graphics.Color)	4285093375 (0xFF6955FF)
YUV	110.3600, 71.3075, -4.7007
Hunter-Lab	40.8905, 46.8659, -111.1862

Details

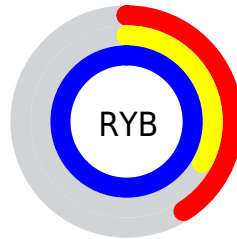
The Yxy color **16.7203, 0.1934, 0.1192** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **89.8307, 0.3902, 0.4892**, and the grayscale version is **15.5019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2633, 0.2466, 0.1898**, and **5.4559, 0.1569, 0.0783** is the 20% darker color. If you saturate the color by 10%, you get **12.2157, 0.1767, 0.0932**, and if you desaturate by 10%, it is **23.0288, 0.2126, 0.1506**.

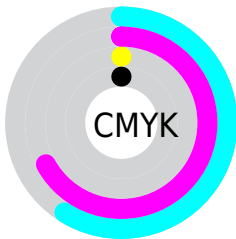
Distribution



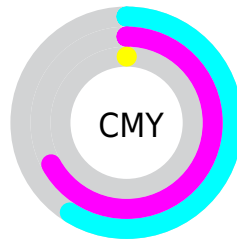
- Red (41%)
- Green (33%)
- Blue (100%)



- Red (41%)
- Yellow (33%)
- Blue (100%)



- Cyan (59%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7203, 0.1934, 0.1192 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 16.7203, 0.1934, 0.1192 by changing the saturation by 10% instead.


 16.7203, 0.1934,
0.1192


 16.7203, 0.1934,
0.1192


233.5554, 0.2588,
0.2155


 10.0353, 0.1771,
0.0998


 37.8442, 0.2175,
0.1510


 5.4224, 0.1568,
0.0779


 53.0520, 0.2265,
0.1640


 2.4971, 0.1315,
0.0541


 71.8693, 0.2341,
0.1753

 0.8752, 0.1004,
0.0300

 94.6808, 0.2406,
0.1853

 0.0000, 0.0647,
0.0000

 121.8708, 0.2461,
0.1942

 0.0000, 0.0042,
0.0000

153.8236, 0.2509,

 0.0000, 0.0000,

0.2021

0.0000

190.9236, 0.2551,
0.2092

■ 16.7203, 0.1934,
0.1192

■ 16.7203, 0.1934,
0.1192

■ 12.2157, 0.1767,
0.0932

■ 23.0288, 0.2126,
0.1506

■ 9.3250, 0.1637,
0.0745

■ 31.3093, 0.2329,
0.1849

■ 7.8076, 0.1553,
0.0641

■ 41.7077, 0.2529,
0.2197

■ 7.4969, 0.1534,
0.0619

■ 54.3564, 0.2716,
0.2532

■ 69.3774, 0.2887,
0.2842

86.8836, 0.3038,
0.3121

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.



16.7203, 0.1082, 0.1072



16.7203, 0.1934, 0.1192



16.7203, 0.3530, 0.1623

Triad

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



16.7203, 0.1934, 0.1192



16.7203, 0.5973, 0.4027



16.7203, 0.1013, 0.3970

Complementary

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



16.7203, 0.1934, 0.1192



89.8307, 0.3902, 0.4892

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.



16.7203, 0.1964, 0.6504



16.7203, 0.1934, 0.1192



16.7203, 0.4719, 0.5281

Square

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



16.7203, 0.1934, 0.1192



16.7203, 0.6441, 0.3104



16.7203, 0.3307, 0.6673



16.7203, 0.0671, 0.2034

Rectangle

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



16.7203, 0.1934, 0.1192



16.7203, 0.4886, 0.2075



16.7203, 0.3307, 0.6673



16.7203, 0.1261, 0.4901

Sweetspot

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



16.7194, 0.1934, 0.1192



64.1091, 0.2832, 0.2742



68.6617, 0.2288, 0.3047



12.8146, 0.2784, 0.2655



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.



16.7194, 0.1934, 0.1192



11.0854, 0.1719, 0.0861



24.6395, 0.2587, 0.1500



17.4803, 0.2997, 0.3045



3.9494, 0.1542, 0.0623



0.4158, 0.1615, 0.0663

Inverse Universe

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



33.7503, 0.3395, 0.1927



29.3945, 0.3456, 0.1787



78.6746, 0.3338, 0.5251



18.2613, 0.3156, 0.3083



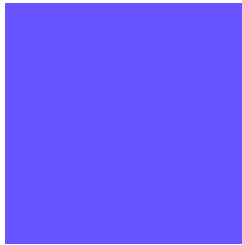
13.9623, 0.3531, 0.1719



1.3695, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 16.7203, 0.1934, 0.1192 looks on a white background.

Color Contrast Check

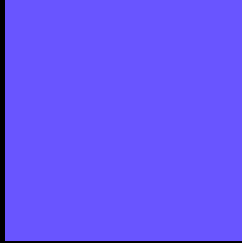
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7203, 0.1934, 0.1192 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 16.7203, 0.1934, 0.1192

Background



This preview shows how black text looks on a background with the Yxy color 16.7203, 0.1934, 0.1192.



This preview shows how white text looks on a background with the Yxy color 16.7203, 0.1934, 0.1192.

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

16.7203, 0.1934, 0.1192

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.5680, 0.1852, 0.1867



Tritanopia

16.5894, 0.2356, 0.3070

Trichromacy



Original Color

16.7203, 0.1934, 0.1192

Protanomaly

15.7584, 0.1740, 0.1310

Deuteranomaly

15.6297, 0.1804, 0.1513

Tritanomaly

15.4512, 0.2128, 0.2055

Monochromacy



Original Color

16.7203, 0.1934, 0.1192

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.1398, 0.2520, 0.2187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7203, 0.1934, 0.1192 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(105, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 85, 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(105, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 85, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.7203, 0.1934, 0.1192 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(105, 85, 255) }
```

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

```
.border{ border-color:rgb(105, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 85,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7203, 0.1934, 0.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 85, 255) }
```

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

```
.background{ background-color: rgb(105, 85,  
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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