

Converting Colors

$Y_{xy}(14.8179, 0.1953, 0.1187)$

Have a look what the booklet for
Yxy(14.8179, 0.1953, 0.1187)
contains.

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Color

Yxy(14.8863, 0.1955, 0.1192)

Conversions

Conversions Part 1

Format	Color
Hex	674FF2
RGB	103, 79, 242
RGB Percent	40%, 31%, 95%
CMY	0.5961, 0.6902, 0.0510
CMYK	0.57, 0.67, 0.00, 0.05
HSL	249°, 86%, 63%
HSV	249°, 67%, 95%
XYZ	24.4150, 14.8863, 85.5837
YIQ	104.7580, -38.0190, 55.7810

Conversions

Conversions Part 2

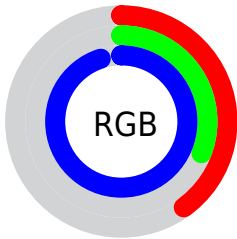
Format	Color
R _{YB}	103, 79, 242
Decimal	6770674
CIE Lab	45.48, 52.85, -78.58
CIE LCh	45, 94.698, 303.923
Yxy	14.8863, 0.1955, 0.1192
Android (android.graphics.Color)	4284960754 (0xFF674FF2)
YUV	104.7580, 67.6603, -1.5418
Hunter-Lab	38.5828, 45.4343, -104.5083

Details

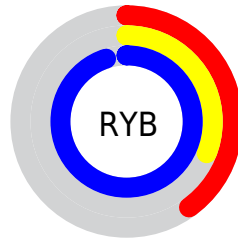
The Yxy color **14.8863, 0.1955, 0.1192** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed purple. A complement of this color would be **78.9681, 0.3870, 0.4923**, and the grayscale version is **13.8806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2923, 0.2435, 0.1825**, and **4.5698, 0.1573, 0.0757** is the 20% darker color. If you saturate the color by 10%, you get **10.9346, 0.1788, 0.0936**, and if you desaturate by 10%, it is **20.4096, 0.2144, 0.1501**.

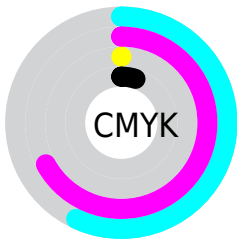
Distribution



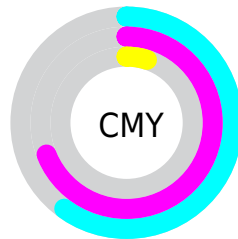
- Red (40%)
- Green (31%)
- Blue (95%)



- Red (40%)
- Yellow (31%)
- Blue (95%)



- Cyan (57%)
- Magenta (67%)
- Yellow (0%)
- Black (5%)



- Cyan (60%)
- Magenta (69%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8863, 0.1955, 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 14.8863, 0.1955, 0.1192 by changing the saturation by 10% instead.

■ 14.8863, 0.1955,
0.1192

■ 14.8863, 0.1955,
0.1192

■ 222.6770, 0.2611,
0.2175

■ 8.7396, 0.1786,
0.0990

■ 34.6536, 0.2201,
0.1521

■ 4.5717, 0.1574,
0.0761

■ 49.0430, 0.2292,
0.1653

■ 1.9983, 0.1306,
0.0512

■ 66.9488, 0.2368,
0.1769

■ 0.6065, 0.0975,
0.0253

■ 88.7553, 0.2432,
0.1871

■ 0.0000, 0.0591,
0.0000

■ 114.8470, 0.2487,
0.1961

■ 0.0000, 0.0000,
0.0000

145.6083, 0.2534,

0.2040

181.4235, 0.2575,
0.2111

■ 14.8863, 0.1955,
0.1192

■ 14.8863, 0.1955,
0.1192

■ 10.9346, 0.1788,
0.0936

■ 20.4096, 0.2144,
0.1501

■ 8.3853, 0.1657,
0.0752

■ 27.6474, 0.2342,
0.1839


■ 7.0227, 0.1568,
0.0647

■ 36.7277, 0.2537,
0.2183


■ 6.7787, 0.1551,
0.0628

■ 47.7656, 0.2720,
0.2515

■ 60.8671, 0.2885,
0.2824

 76.1305, 0.3032,
0.3104

 93.6476, 0.3159,
0.3353

 99.1903, 0.3203,
0.3415

Harmonies

Analogous

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



14.8863, 0.1089, 0.1065



14.8863, 0.1955, 0.1192



14.8863, 0.3573, 0.1631

Triad

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



14.8863, 0.1955, 0.1192



14.8863, 0.5955, 0.4045



14.8863, 0.0991, 0.3915

Complementary

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



14.8863, 0.1955, 0.1192



78.9681, 0.3870, 0.4923

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.



14.8863, 0.1930, 0.6488



14.8863, 0.1955, 0.1192



14.8863, 0.4688, 0.5312

Square

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



14.8863, 0.1955, 0.1192



14.8863, 0.6456, 0.3116



14.8863, 0.3278, 0.6722



14.8863, 0.0662, 0.2002

Rectangle

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



14.8863, 0.1955, 0.1192



14.8863, 0.4936, 0.2086



14.8863, 0.3278, 0.6722



14.8863, 0.1234, 0.4848

Sweetspot

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



14.8867, 0.1955, 0.1192



64.3299, 0.2842, 0.2743



59.3957, 0.2275, 0.3009



12.8665, 0.2796, 0.2657



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.



14.8867, 0.1955, 0.1192



11.0273, 0.1733, 0.0855



21.9760, 0.2608, 0.1501



15.3404, 0.3002, 0.3047



3.6774, 0.1560, 0.0633



0.3398, 0.1661, 0.0688

Inverse Universe

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



29.5300, 0.3451, 0.1957



28.8247, 0.3530, 0.1822



69.5326, 0.3321, 0.5275



15.9891, 0.3160, 0.3091



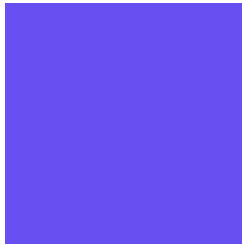
12.5606, 0.3620, 0.1768



1.0557, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 14.8863, 0.1955, 0.1192 looks on a white background.

Color Contrast Check

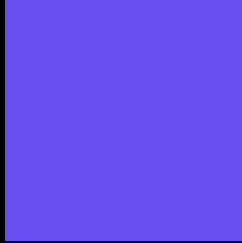
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8863, 0.1955, 0.1192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

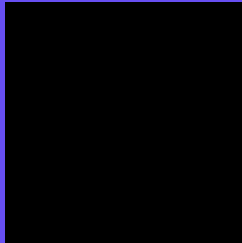
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8863, 0.1955, 0.1192

Background



This preview shows how black text looks on a background with the Yxy color 14.8863, 0.1955, 0.1192.



This preview shows how white text looks on a background with the Yxy color 14.8863, 0.1955, 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

14.8863, 0.1955, 0.1192

Protanopia

14.7625, 0.1741, 0.1469

Deuteranopia

14.7827, 0.1853, 0.1869



Tritanopia

14.8122, 0.2410, 0.3083

Trichromacy



Original Color

14.8863, 0.1955, 0.1192



Protanomaly

13.9448, 0.1742, 0.1304



Deuteranomaly

13.8711, 0.1806, 0.1508



Tritanomaly

13.9441, 0.2170, 0.2064

Monochromacy



Original Color

14.8863, 0.1955, 0.1192



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.6754, 0.2537, 0.2195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8863, 0.1955, 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(103, 79, 242)` looks like.

```
.text, #text, p{  
    color:rgb(103, 79, 242)  
}
```

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(103, 79, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 79, 242) }
```

Border

The CSS property to change the border of an element to Yxy 14.8863, 0.1955, 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(103, 79, 242) }
```

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

```
.border{ border-color:rgb(103, 79, 242) }
```

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

Here you see how a box with a 4 pixel rgb(103, 79, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 79, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 79, 242);  
box-shadow:4px 4px 4px 4px rgb(103, 79,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8863, 0.1955, 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(103, 79, 242) }
```

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

```
.background{ background-color: rgb(103, 79,  
242) }
```

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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