

Converting Colors

$Yxy(11.9476, 0.1863, 0.0904)$

Have a look what the booklet for
Yxy(11.9476, 0.1863, 0.0904)
contains.

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Color

Yxy(11.9644, 0.1865, 0.0905)

Conversions

Conversions Part 1

Format	Color
Hex	682CFF
RGB	104, 44, 255
RGB Percent	41%, 17%, 100%
CMY	0.5921, 0.8274, 0.0002
CMYK	0.59, 0.83, 0.00, 0.00
HSL	257°, 100%, 59%
HSV	257°, 83%, 100%
XYZ	24.6559, 11.9644, 95.5830
YIQ	85.9940, -31.9710, 78.3410

Conversions

Conversions Part 2

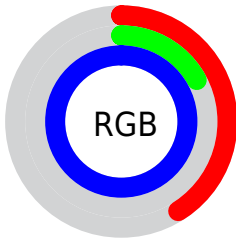
Format	Color
R_{YB}	104, 44, 255
Decimal	6827263
CIE _{Lab}	41.16, 72.51, -92.95
CIE _{LCh}	41, 117.884, 307.956
Yxy	11.9644, 0.1865, 0.0905
Android (android.graphics.Color)	4285017343 (0xFF682CFF)
YUV	85.9940, 83.3200, 15.7913
Hunter-Lab	34.5896, 66.7054, -139.6260

Details

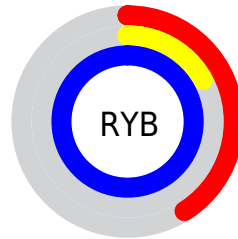
The Yxy color **11.9644, 0.1865, 0.0905** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **83.2715, 0.3731, 0.5293**, and the grayscale version is **9.1334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.8804, 0.2428, 0.1541**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.6352, 0.1739, 0.0759**, and if you desaturate by 10%, it is **15.6942, 0.2018, 0.1120**.

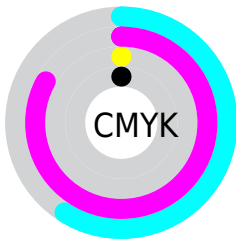
Distribution



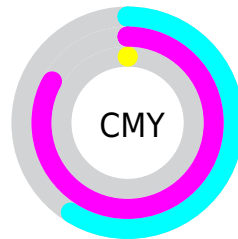
- Red (41%)
- Green (17%)
- Blue (100%)



- Red (41%)
- Yellow (17%)
- Blue (100%)



- Cyan (59%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9644, 0.1865, 0.0905 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 11.9644, 0.1865, 0.0905 by changing the saturation by 10% instead.


 11.9644, 0.1865,
0.0905


 11.9644, 0.1865,
0.0905


204.1695, 0.2582,
0.1964

 6.7194, 0.1684,
0.0710


 29.4303, 0.2132,
0.1242


 3.2873, 0.1461,
0.0501


 42.4199, 0.2232,
0.1383

 1.2835, 0.1187,
0.0294

 58.7600, 0.2315,
0.1509

 0.1284, 0.0867,
0.0047

 78.8348, 0.2386,
0.1621

 0.0000, 0.0502,
0.0000

 103.0287, 0.2446,
0.1721

 0.0000, 0.0000,
0.0000

 131.7262, 0.2498,

0.1810

165.3117, 0.2543,
0.1891

■ 11.9644, 0.1865,
0.0905

■ 11.9644, 0.1865,
0.0905

■ 9.6352, 0.1739,
0.0759

■ 15.6942, 0.2018,
0.1120

■ 8.6156, 0.1667,
0.0692

■ 21.0233, 0.2189,
0.1393

■ 28.1178, 0.2366,
0.1703

■ 37.1220, 0.2540,
0.2030

■ 48.1651, 0.2704,
0.2357

61.3648, 0.2853,
0.2669

76.8295, 0.2984,
0.2959

94.6605, 0.3099,
0.3223

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



11.9644, 0.0853, 0.0740



11.9644, 0.1865, 0.0905



11.9644, 0.3987, 0.1395

Triad

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



11.9644, 0.1865, 0.0905



11.9644, 0.6094, 0.3906



11.9644, 0.0484, 0.3493

Complementary

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



11.9644, 0.1865, 0.0905



83.2715, 0.3731, 0.5293

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.



11.9644, 0.1217, 0.7429



11.9644, 0.1865, 0.0905



11.9644, 0.4363, 0.5637

Square

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



11.9644, 0.1865, 0.0905



11.9644, 0.7129, 0.2871



11.9644, 0.2504, 0.7496



11.9644, 0.0332, 0.1444

Rectangle

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



11.9644, 0.1865, 0.0905



11.9644, 0.5788, 0.1885



11.9644, 0.2504, 0.7496



11.9644, 0.0646, 0.4784

Sweetspot

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



11.9646, 0.1865, 0.0905



58.2024, 0.2821, 0.2600



46.8697, 0.2065, 0.2505



11.4486, 0.2769, 0.2491



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.



11.9646, 0.1865, 0.0905



8.7459, 0.1676, 0.0700



22.6125, 0.2755, 0.1375



17.6279, 0.3023, 0.3047



4.5682, 0.1681, 0.0700



0.4972, 0.1796, 0.0763

Inverse Universe

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



26.9927, 0.3907, 0.2029



24.7418, 0.4097, 0.2034



73.8358, 0.3138, 0.5736



18.2071, 0.3182, 0.3121



12.9104, 0.4091, 0.2027



1.2759, 0.3966, 0.1958

Previews

White Background



This preview shows how the Yxy color 11.9644, 0.1865, 0.0905 looks on a white background.

Color Contrast Check

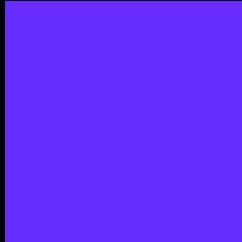
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9644, 0.1865, 0.0905 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 11.9644, 0.1865, 0.0905

Background



This preview shows how black text looks on a background with the Yxy color 11.9644, 0.1865, 0.0905.



This preview shows how white text looks on a background with the Yxy color 11.9644, 0.1865, 0.0905.

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

11.9644, 0.1865, 0.0905

Protanopia

11.8142, 0.1746, 0.1487

Deuteranopia

11.7137, 0.1864, 0.1909



Tritanopia

11.7895, 0.2338, 0.3061

Trichromacy



Original Color

11.9644, 0.1865, 0.0905

Protanomaly

10.4540, 0.1701, 0.1123

Deuteranomaly

10.1276, 0.1754, 0.1277

Tritanomaly

9.9931, 0.2038, 0.1697

Monochromacy



Original Color

11.9644, 0.1865, 0.0905

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

8.9402, 0.2423, 0.1800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9644, 0.1865, 0.0905 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(104, 44, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 44, 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(104, 44, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 44, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.9644, 0.1865, 0.0905 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(104, 44, 255) }
```

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

```
.border{ border-color:rgb(104, 44, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 44, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 44, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 44, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 44,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9644, 0.1865, 0.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 44, 255) }
```

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

```
.background{ background-color: rgb(104, 44,  
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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