

Converting Colors

$Y_{xy}(26.6311, 0.2099, 0.1689)$

Have a look what the booklet for
Yxy(26.6311, 0.2099, 0.1689)
contains.

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Color

Yxy(26.6335, 0.2099, 0.1688)

Conversions

Conversions Part 1

Format	Color
Hex	7481FF
RGB	116, 129, 255
RGB Percent	45%, 51%, 100%
CMY	0.5446, 0.4943, 0.0000
CMYK	0.54, 0.49, 0.00, 0.00
HSL	234°, 100%, 73%
HSV	234°, 54%, 100%
XYZ	33.1183, 26.6335, 98.0296
YIQ	139.4770, -48.1940, 36.4300

Conversions

Conversions Part 2

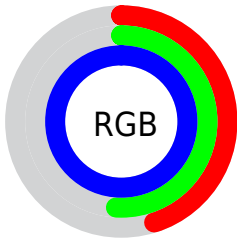
Format	Color
RYB	116, 128, 255
Decimal	7635455
CIELab	58.63, 30.14, -64.44
CIElCh	59, 71.144, 295.069
Yxy	26.6335, 0.2099, 0.1688
Android (android.graphics.Color)	4285825535 (0xFF7481FF)
YUV	139.4770, 56.9528, -20.5893
Hunter-Lab	51.6077, 24.2359, -76.4970

Details

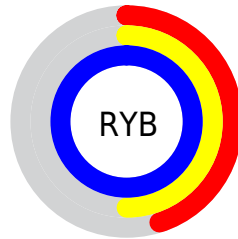
The Yxy color **26.6335, 0.2099, 0.1688** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **86.1238, 0.3979, 0.4498**, and the grayscale version is **25.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9060, 0.2582, 0.2446**, and **10.4215, 0.1806, 0.1324** is the 20% darker color. If you saturate the color by 10%, you get **19.6962, 0.1906, 0.1367**, and if you desaturate by 10%, it is **35.4283, 0.2306, 0.2023**.

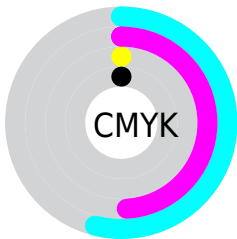
Distribution



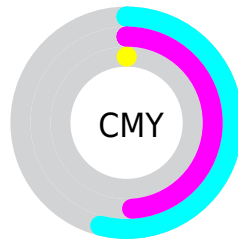
- Red (45%)
- Green (51%)
- Blue (100%)



- Red (45%)
- Yellow (50%)
- Blue (100%)



- Cyan (54%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6335, 0.2099, 0.1688 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 26.6335, 0.2099, 0.1688 by changing the saturation by 10% instead.


 26.6335, 0.2099,
0.1688


 26.6335, 0.2099,
0.1688


285.8782, 0.2634,
0.2446


 17.2982, 0.1968,
0.1521


 54.2952, 0.2293,
0.1948

 10.4473, 0.1803,
0.1322


 73.3903, 0.2367,
0.2051

 5.6965, 0.1594,
0.1084


 96.5075, 0.2429,
0.2139

 2.6614, 0.1327,
0.0804

124.0312, 0.2482,
0.2217

 0.9576, 0.0987,
0.0491

156.3457, 0.2528,
0.2285

 0.0000, 0.0569,
0.0000

193.8354, 0.2568,

 0.0000, 0.0000,

0.2345

0.0000

236.8848, 0.2603,
0.2398

■ 26.6335, 0.2099,
0.1688

■ 26.6335, 0.2099,
0.1688

■ 19.6962, 0.1906,
0.1367

■ 35.4283, 0.2306,
0.2023

■ 14.4854, 0.1740,
0.1081

■ 46.2056, 0.2513,
0.2351

■ 10.8469, 0.1615,
0.0854

■ 59.0750, 0.2711,
0.2659

■ 8.6000, 0.1538,
0.0701

■ 74.1393, 0.2894,
0.2940

■ 7.8559, 0.1513,
0.0647

■ 91.4945, 0.3059,
0.3189

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.



26.6335, 0.1506, 0.1678



26.6335, 0.2099, 0.1688



26.6335, 0.3102, 0.1980

Triad

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



26.6335, 0.2099, 0.1688



26.6335, 0.5357, 0.3941



26.6335, 0.1884, 0.4182

Complementary

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



26.6335, 0.2099, 0.1688



86.1238, 0.3979, 0.4498

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.



26.6335, 0.2790, 0.5350



26.6335, 0.2099, 0.1688



26.6335, 0.4779, 0.4752

Square

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



26.6335, 0.2099, 0.1688



26.6335, 0.5247, 0.3192



26.6335, 0.3839, 0.5426



26.6335, 0.1376, 0.2830

Rectangle

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



26.6335, 0.2099, 0.1688



26.6335, 0.3931, 0.2313



26.6335, 0.3839, 0.5426



26.6335, 0.2151, 0.4654

Sweetspot

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



26.6323, 0.2099, 0.1688



71.6746, 0.2867, 0.2898



81.5991, 0.2490, 0.3451



14.6535, 0.2830, 0.2842



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.



26.6323, 0.2099, 0.1688



19.3728, 0.1896, 0.1350



28.4732, 0.2461, 0.1698



17.6477, 0.2979, 0.3067



4.1950, 0.1517, 0.0660



0.4953, 0.1551, 0.0782

Inverse Universe

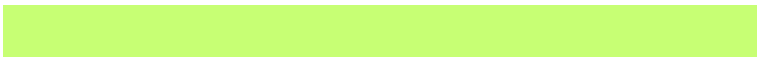
The Inverse Universe completely reimagines the original color for something new.



35.3633, 0.4607, 0.3166



29.4576, 0.5078, 0.3159



84.9875, 0.3531, 0.4795



18.0143, 0.3280, 0.3268



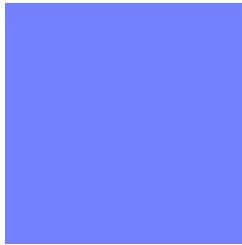
11.1514, 0.6299, 0.3244



1.0945, 0.6099, 0.3133

Previews

White Background



This preview shows how the Yxy color 26.6335, 0.2099, 0.1688 looks on a white background.

Color Contrast Check

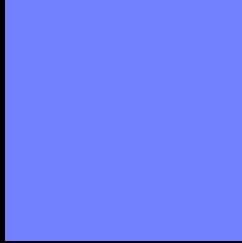
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 26.6335, 0.2099, 0.1688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

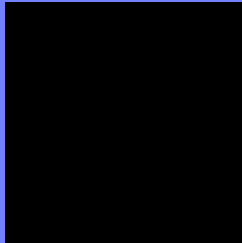
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6335, 0.2099, 0.1688

Background



This preview shows how black text looks on a background with the Yxy color 26.6335, 0.2099, 0.1688.



This preview shows how white text looks on a background with the Yxy color 26.6335, 0.2099, 0.1688.

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

26.6335, 0.2099, 0.1688

Protanopia

26.9052, 0.1959, 0.1729

Deuteranopia

26.9201, 0.1851, 0.1787



Tritanopia

26.6166, 0.2455, 0.3076

Trichromacy



Original Color

26.6335, 0.2099, 0.1688

Protanomaly

26.6499, 0.2000, 0.1709

Deuteranomaly

26.2295, 0.1895, 0.1733

Tritanomaly

26.0633, 0.2300, 0.2447

Monochromacy



Original Color

26.6335, 0.2099, 0.1688

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.4894, 0.2660, 0.2572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6335, 0.2099, 0.1688 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(116, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 129, 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(116, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.6335, 0.2099, 0.1688 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(116, 129, 255) }
```

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

```
.border{ border-color:rgb(116, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6335, 0.2099, 0.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 129, 255) }
```

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

```
.background{ background-color: rgb(116,  
129, 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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