

Converting Colors

$Y_{xy}(11.6682, 0.1767, 0.1028)$

Have a look what the booklet for
Yxy(11.6682, 0.1767, 0.1028)
contains.

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Color

Yxy(11.6469, 0.1766, 0.1023)

Conversions

Conversions Part 1

Format	Color
Hex	4744EE
RGB	71, 68, 238
RGB Percent	28%, 27%, 93%
CMY	0.7212, 0.7335, 0.0666
CMYK	0.70, 0.71, 0.00, 0.07
HSL	241°, 83%, 60%
HSV	241°, 71%, 93%
XYZ	20.1060, 11.6469, 82.0976
YIQ	88.2770, -52.7820, 53.5060

Conversions

Conversions Part 2

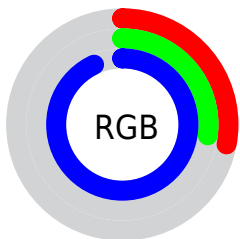
Format	Color
R _Y B	71, 68, 238
Decimal	4670702
CIE Lab	40.65, 53.74, -84.36
CIE LCh	41, 100.026, 302.498
Yxy	11.6469, 0.1766, 0.1023
Android (android.graphics.Color)	4282860782 (0xFF4744EE)
YUV	88.2770, 73.8134, -15.1519
Hunter-Lab	34.1276, 45.4387, -118.7393

Details

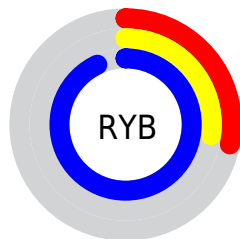
The Yxy color **11.6469, 0.1766, 0.1023** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **79.2250, 0.4056, 0.4880**, and the grayscale version is **9.6689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7523, 0.2226, 0.1622**, and **3.8725, 0.1524, 0.0686** is the 20% darker color. If you saturate the color by 10%, you get **8.6095, 0.1628, 0.0799**, and if you desaturate by 10%, it is **16.1917, 0.1946, 0.1318**.

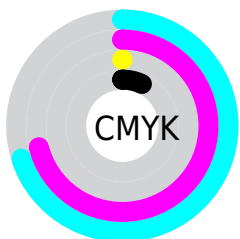
Distribution



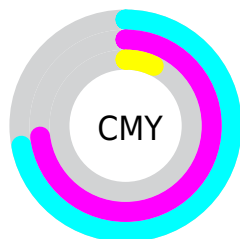
- Red (28%)
- Green (27%)
- Blue (93%)



- Red (28%)
- Yellow (27%)
- Blue (93%)



- Cyan (70%)
- Magenta (71%)
- Yellow (0%)
- Black (7%)





- Cyan (72%)
- Magenta (73%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6469, 0.1766, 0.1023 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 11.6469, 0.1766, 0.1023 by changing the saturation by 10% instead.


 11.6469, 0.1766,
0.1023


 11.6469, 0.1766,
0.1023


202.0535, 0.2531,
0.2085


 6.5037, 0.1573,
0.0813


 28.8504, 0.2051,
0.1373


 3.1537, 0.1334,
0.0583


 41.6794, 0.2158,
0.1517

 1.2125, 0.1042,
0.0347

 57.8392, 0.2246,
0.1642

 0.0719, 0.0707,
0.0034

 77.7142, 0.2321,
0.1753

 0.0000, 0.0267,
0.0000

 101.6887, 0.2386,
0.1851

 0.0000, 0.0000,
0.0000

130.1472, 0.2441,

0.1938

163.4739, 0.2489,
0.2015

■ 11.6469, 0.1766,
0.1023

■ 11.6469, 0.1766,
0.1023

■ 8.6095, 0.1628,
0.0799

■ 16.1917, 0.1946,
0.1318

■ 6.8862, 0.1541,
0.0660

■ 22.4044, 0.2151,
0.1657

■ 6.2029, 0.1504,
0.0602

■ 30.4254, 0.2366,
0.2014

■ 40.3805, 0.2576,
0.2365

■ 52.3840, 0.2772,
0.2694

■ 66.5414, 0.2950,
0.2991

■ 82.9509, 0.3106,
0.3255

■ 98.9546, 0.3226,
0.3454

Harmonies

Analogous

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



11.6469, 0.0910, 0.0908



11.6469, 0.1766, 0.1023



11.6469, 0.3497, 0.1452

Triad

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



11.6469, 0.1766, 0.1023



11.6469, 0.6151, 0.3849



11.6469, 0.0804, 0.4103

Complementary

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



11.6469, 0.1766, 0.1023



79.2250, 0.4056, 0.4880

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.



11.6469, 0.1746, 0.7119



11.6469, 0.1766, 0.1023



11.6469, 0.4738, 0.5262

Square

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



11.6469, 0.1766, 0.1023



11.6469, 0.6781, 0.2929



11.6469, 0.3108, 0.6892



11.6469, 0.0501, 0.1879

Rectangle

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



11.6469, 0.1766, 0.1023



11.6469, 0.5054, 0.1912



11.6469, 0.3108, 0.6892



11.6469, 0.1044, 0.5244

Sweetspot

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



11.6471, 0.1766, 0.1023



61.8211, 0.2779, 0.2705



66.9289, 0.2312, 0.3252



12.3412, 0.2727, 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.



11.6471, 0.1766, 0.1023



8.9097, 0.1579, 0.0720



17.3546, 0.2377, 0.1323



15.2426, 0.2982, 0.3046



3.4658, 0.1506, 0.0603



0.2932, 0.1521, 0.0611

Inverse Universe

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



28.3029, 0.3232, 0.1749



29.4659, 0.3247, 0.1614



68.0806, 0.3440, 0.5295



16.0261, 0.3141, 0.3062



13.4450, 0.3256, 0.1567



1.1201, 0.3249, 0.1564

Previews

White Background



This preview shows how the Yxy color 11.6469, 0.1766, 0.1023 looks on a white background.

Color Contrast Check

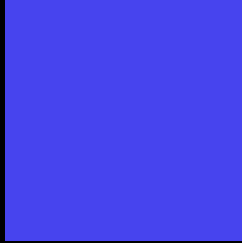
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6469, 0.1766, 0.1023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

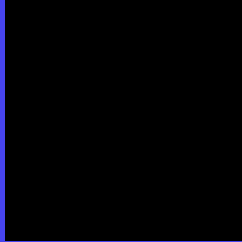
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6469, 0.1766, 0.1023

Background



This preview shows how black text looks on a background with the Yxy color 11.6469, 0.1766, 0.1023.



This preview shows how white text looks on a background with the Yxy color 11.6469, 0.1766, 0.1023.

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

11.6469, 0.1766, 0.1023

Protanopia

11.5045, 0.1749, 0.1496

Deuteranopia

11.4520, 0.1865, 0.1914



Tritanopia

11.5003, 0.2196, 0.3104

Trichromacy



Original Color

11.6469, 0.1766, 0.1023

Protanomaly

11.0096, 0.1714, 0.1255

Deuteranomaly

10.8418, 0.1769, 0.1437

Tritanomaly

10.3425, 0.1911, 0.1896

Monochromacy



Original Color

11.6469, 0.1766, 0.1023

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.6619, 0.2356, 0.2001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6469, 0.1766, 0.1023 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(71, 68, 238)` looks like.

```
.text, #text, p{  
    color:rgb(71, 68, 238)  
}
```

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(71, 68, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 68, 238) }
```

Border

The CSS property to change the border of an element to Yxy 11.6469, 0.1766, 0.1023 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(71, 68, 238) }
```

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

```
.border{ border-color:rgb(71, 68, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 68, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 68, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 68, 238);  
box-shadow:4px 4px 4px 4px rgb(71, 68,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6469, 0.1766, 0.1023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 68, 238) }
```

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

```
.background{ background-color: rgb(71, 68,  
238) }
```

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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