

Converting Colors

$Y_{xy}(16.3065, 0.1975, 0.1224)$

Have a look what the booklet for
Yxy(16.3065, 0.1975, 0.1224)
contains.

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Color

Yxy(16.3061, 0.1975, 0.1224)

Conversions

Conversions Part 1

Format	Color
Hex	6C54F8
RGB	108, 84, 248
RGB Percent	42%, 33%, 97%
CMY	0.5761, 0.6708, 0.0273
CMYK	0.56, 0.66, 0.00, 0.03
HSL	249°, 92%, 65%
HSV	249°, 66%, 97%
XYZ	26.3109, 16.3061, 90.6028
YIQ	109.8720, -38.3400, 56.0920

Conversions

Conversions Part 2

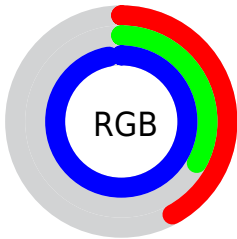
Format	Color
R _Y B	108, 84, 248
Decimal	7099640
CIE Lab	47.37, 52.70, -78.85
CIE LCh	47, 94.841, 303.758
Yxy	16.3061, 0.1975, 0.1224
Android (android.graphics.Color)	4285289720 (0xFF6C54F8)
YUV	109.8720, 68.0971, -1.6417
Hunter-Lab	40.3808, 45.6387, -104.7629

Details

The Yxy color **16.3061, 0.1975, 0.1224** 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 **83.6325, 0.3863, 0.4903**, and the grayscale version is **15.3648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0940, 0.2472, 0.1890**, and **5.1810, 0.1606, 0.0800** is the 20% darker color. If you saturate the color by 10%, you get **11.9459, 0.1805, 0.0961**, and if you desaturate by 10%, it is **22.3510, 0.2166, 0.1538**.

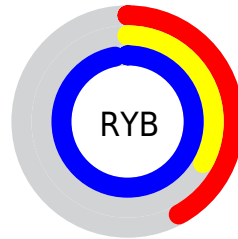
Distribution



Red (42%)

Green (33%)

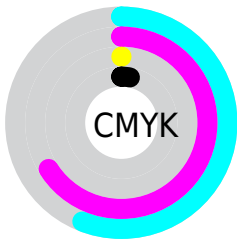
Blue (97%)



Red (42%)

Yellow (33%)

Blue (97%)

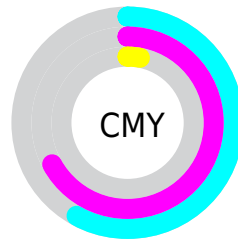


Cyan (56%)

Magenta (66%)

Yellow (0%)

Black (3%)



Cyan (58%)


Magenta (67%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3061, 0.1975, 0.1224 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 16.3061, 0.1975, 0.1224 by changing the saturation by 10% instead.


 16.3061, 0.1975,
0.1224


 16.3061, 0.1975,
0.1224


231.1412, 0.2613,
0.2184


 9.7410, 0.1813,
0.1027


 37.1288, 0.2213,
0.1544


 5.2276, 0.1609,
0.0804


 52.1552, 0.2301,
0.1674

 2.3814, 0.1353,
0.0558

 70.7708, 0.2375,
0.1787

 0.8163, 0.1033,
0.0307

 93.3601, 0.2438,
0.1886

 0.0000, 0.0662,
0.0000

 120.3074, 0.2491,
0.1974

 0.0000, 0.0000,
0.0000

151.9970, 0.2537,

0.2052

188.8135, 0.2578,
0.2122

■ 16.3061, 0.1975,
0.1224

■ 16.3061, 0.1975,
0.1224

■ 11.9459, 0.1805,
0.0961

■ 22.3510, 0.2166,
0.1538

■ 9.0943, 0.1669,
0.0768

■ 30.2302, 0.2365,
0.1878


■ 7.5365, 0.1576,
0.0655

■ 40.0778, 0.2559,
0.2222

■ 7.1640, 0.1550,
0.0628

■ 52.0150, 0.2740,
0.2552

■ 66.1533, 0.2903,
0.2859

 82.5961, 0.3048,
0.3135

 99.5600, 0.3167,
0.3357

Harmonies

Analogous

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



16.3061, 0.1118, 0.1100



16.3061, 0.1975, 0.1224



16.3061, 0.3556, 0.1659

Triad

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



16.3061, 0.1975, 0.1224



16.3061, 0.5933, 0.4067



16.3061, 0.1040, 0.3920

Complementary

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



16.3061, 0.1975, 0.1224



83.6325, 0.3863, 0.4903

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.



16.3061, 0.1983, 0.6389



16.3061, 0.1975, 0.1224



16.3061, 0.4701, 0.5299

Square

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



16.3061, 0.1975, 0.1224



16.3061, 0.6386, 0.3140



16.3061, 0.3305, 0.6615



16.3061, 0.0700, 0.2046

Rectangle

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



16.3061, 0.1975, 0.1224



16.3061, 0.4880, 0.2109



16.3061, 0.3305, 0.6615



16.3061, 0.1286, 0.4818

Sweetspot

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



16.3065, 0.1975, 0.1224



64.3291, 0.2842, 0.2743



63.1446, 0.2284, 0.3014



12.8663, 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.



16.3065, 0.1975, 0.1224



11.6642, 0.1761, 0.0896



23.7882, 0.2619, 0.1526



16.7655, 0.3002, 0.3046



3.9046, 0.1559, 0.0632



0.3972, 0.1648, 0.0682

Inverse Universe

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



31.6736, 0.3444, 0.1972



29.3126, 0.3518, 0.1836



73.7408, 0.3322, 0.5245



17.4781, 0.3161, 0.3090



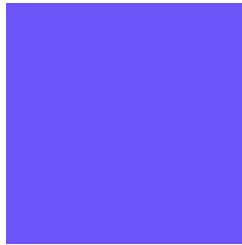
13.3515, 0.3620, 0.1768



1.2482, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 16.3061, 0.1975, 0.1224 looks on a white background.

Color Contrast Check

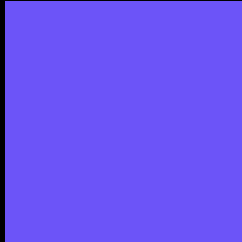
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3061, 0.1975, 0.1224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

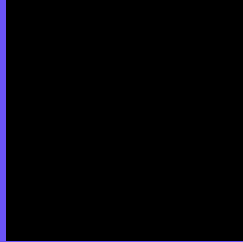
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3061, 0.1975, 0.1224

Background



This preview shows how black text looks on a background with the Yxy color 16.3061, 0.1975, 0.1224.



This preview shows how white text looks on a background with the Yxy color 16.3061, 0.1975, 0.1224.

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

16.3061, 0.1975, 0.1224

Protanopia

16.3266, 0.1741, 0.1468

Deuteranopia

16.2470, 0.1853, 0.1871



Tritanopia

16.1014, 0.2440, 0.3070

Trichromacy



Original Color

16.3061, 0.1975, 0.1224

Protanomaly

15.3532, 0.1747, 0.1322

Deuteranomaly

15.2383, 0.1813, 0.1530

Tritanomaly

15.1948, 0.2200, 0.2086

Monochromacy



Original Color

16.3061, 0.1975, 0.1224

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.0966, 0.2558, 0.2231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3061, 0.1975, 0.1224 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(108, 84, 248)` looks like.

```
.text, #text, p{  
    color:rgb(108, 84, 248)  
}
```

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(108, 84, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 84, 248) }
```

Border

The CSS property to change the border of an element to Yxy 16.3061, 0.1975, 0.1224 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(108, 84, 248) }
```

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

```
.border{ border-color:rgb(108, 84, 248) }
```

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

Here you see how a box with a 4 pixel rgb(108, 84, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 84, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 84, 248);  
box-shadow:4px 4px 4px 4px rgb(108, 84,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3061, 0.1975, 0.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 84, 248) }
```

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

```
.background{ background-color: rgb(108, 84,  
248) }
```

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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