

Converting Colors

$Y_{xy}(18.2647, 0.2076, 0.1406)$

Have a look what the booklet for
Yxy(18.2647, 0.2076, 0.1406)
contains.

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Color

Yxy(18.3019, 0.2078, 0.1410)

Conversions

Conversions Part 1

Format	Color
Hex	7360F0
RGB	115, 96, 240
RGB Percent	45%, 38%, 94%
CMY	0.5492, 0.6234, 0.0589
CMYK	0.52, 0.60, 0.00, 0.06
HSL	248°, 83%, 66%
HSV	248°, 60%, 94%
XYZ	26.9726, 18.3019, 84.5262
YIQ	118.0970, -34.9000, 48.8120

Conversions

Conversions Part 2

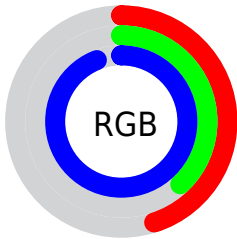
Format	Color
R _Y B	115, 96, 240
Decimal	7561456
CIE Lab	49.86, 44.69, -70.26
CIE LCh	50, 83.270, 302.460
Yxy	18.3019, 0.2078, 0.1410
Android (android.graphics.Color)	4285751536 (0xFF7360F0)
YUV	118.0970, 60.0982, -2.7161
Hunter-Lab	42.7807, 37.6753, -87.1988

Details

The Yxy color **18.3019, 0.2078, 0.1410** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **78.5282, 0.3835, 0.4773**, and the grayscale version is **17.9654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2014, 0.2526, 0.2036**, and **6.1612, 0.1734, 0.0987** is the 20% darker color. If you saturate the color by 10%, you get **13.3141, 0.1893, 0.1112**, and if you desaturate by 10%, it is **24.9462, 0.2277, 0.1744**.

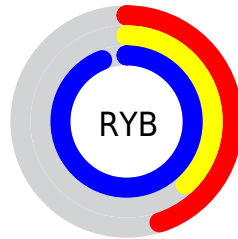
Distribution



Red (45%)

Green (38%)

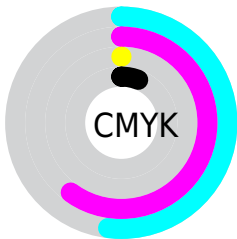
Blue (94%)



Red (45%)

Yellow (38%)

Blue (94%)

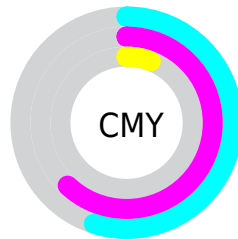


Cyan (52%)

Magenta (60%)

Yellow (0%)

Black (6%)



Cyan (55%)


Magenta (62%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3019, 0.2078, 0.1410 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 18.3019, 0.2078, 0.1410 by changing the saturation by 10% instead.


 18.3019, 0.2078,
0.1410


 18.3019, 0.2078,
0.1410


242.5672, 0.2658,
0.2305


 11.1670, 0.1928,
0.1217


 40.5511, 0.2295,
0.1715


 6.1792, 0.1737,
0.0991


 56.4341, 0.2376,
0.1837

 2.9544, 0.1491,
0.0732


 76.0020, 0.2443,
0.1942

 1.1080, 0.1176,
0.0450

 99.6390, 0.2499,
0.2033

 0.0000, 0.0799,
0.0000

127.7297, 0.2548,
0.2114

 0.0000, 0.0034,
0.0000

160.6583, 0.2589,

 0.0000, 0.0000,

0.2185

0.0000

198.8094, 0.2626,
0.2248

■ 18.3019, 0.2078,
0.1410

■ 18.3019, 0.2078,
0.1410

■ 13.3141, 0.1893,
0.1112

■ 24.9462, 0.2277,
0.1744

■ 9.8333, 0.1735,
0.0873

■ 33.3752, 0.2476,
0.2090

■ 7.6858, 0.1617,
0.0711


■ 43.7064, 0.2665,
0.2428

■ 6.5909, 0.1542,
0.0623

■ 56.0467, 0.2838,
0.2745

■ 6.5894, 0.1542,
0.0623

■ 70.4951, 0.2993,
0.3033

 87.1440, 0.3127,
0.3290

 99.0696, 0.3215,
0.3435

Harmonies

Analogous

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



18.3019, 0.1290, 0.1307



18.3019, 0.2078, 0.1410



18.3019, 0.3448, 0.1813

Triad

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



18.3019, 0.2078, 0.1410



18.3019, 0.5709, 0.4101



18.3019, 0.1327, 0.3951

Complementary

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



18.3019, 0.2078, 0.1410



78.5282, 0.3835, 0.4773

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.



18.3019, 0.2266, 0.5884



18.3019, 0.2078, 0.1410



18.3019, 0.4752, 0.5193

Square

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



18.3019, 0.2078, 0.1410



18.3019, 0.5975, 0.3238



18.3019, 0.3490, 0.6139



18.3019, 0.0931, 0.2298

Rectangle

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



18.3019, 0.2078, 0.1410



18.3019, 0.4564, 0.2233



18.3019, 0.3490, 0.6139



18.3019, 0.1582, 0.4667

Sweetspot

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



18.3024, 0.2078, 0.1410



67.3374, 0.2869, 0.2803



61.6486, 0.2344, 0.3075



13.4463, 0.2822, 0.2715



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.



18.3024, 0.2078, 0.1410



14.2392, 0.1854, 0.1052



24.9495, 0.2659, 0.1664



15.3283, 0.3000, 0.3047



3.6398, 0.1550, 0.0628



0.3341, 0.1644, 0.0679

Inverse Universe

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



32.1146, 0.3384, 0.2044



31.5794, 0.3447, 0.1879



69.7475, 0.3340, 0.5057



15.9936, 0.3158, 0.3087



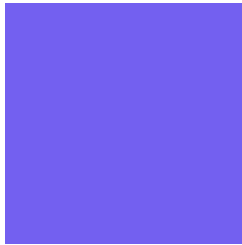
12.6604, 0.3571, 0.1741



1.0631, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 18.3019, 0.2078, 0.1410 looks on a white background.

Color Contrast Check

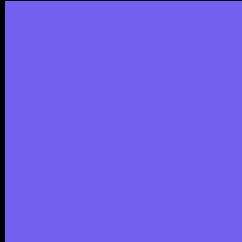
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3019, 0.2078, 0.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

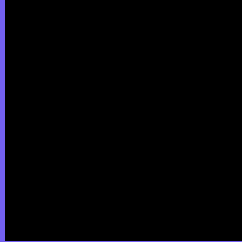
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3019, 0.2078, 0.1410

Background



This preview shows how black text looks on a background with the Yxy color 18.3019, 0.2078, 0.1410.

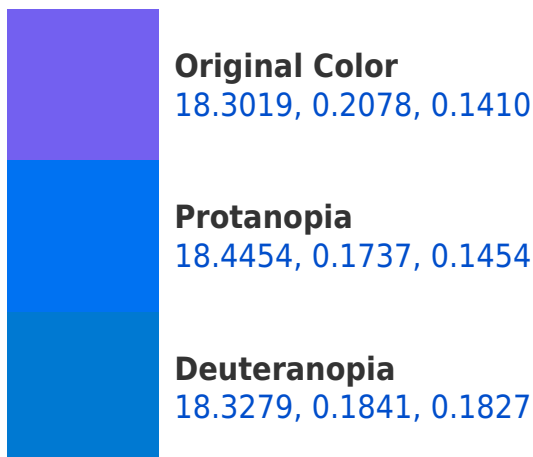


This preview shows how white text looks on a background with the Yxy color 18.3019, 0.2078, 0.1410.

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





Tritanopia

18.1658, 0.2564, 0.3084

Trichromacy



Original Color

18.3019, 0.2078, 0.1410



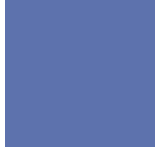
Protanomaly

17.3585, 0.1769, 0.1390



Deuteranomaly

17.3010, 0.1837, 0.1605



Tritanomaly

17.3789, 0.2335, 0.2246

Monochromacy



Original Color

18.3019, 0.2078, 0.1410



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.5424, 0.2643, 0.2386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3019, 0.2078, 0.1410 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(115, 96, 240)` looks like.

```
.text, #text, p{  
    color:rgb(115, 96, 240)  
}
```

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(115, 96, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 96, 240) }
```

Border

The CSS property to change the border of an element to Yxy 18.3019, 0.2078, 0.1410 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(115, 96, 240) }
```

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

```
.border{ border-color:rgb(115, 96, 240) }
```

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

Here you see how a box with a 4 pixel rgb(115, 96, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 96, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 96, 240);  
box-shadow:4px 4px 4px 4px rgb(115, 96,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3019, 0.2078, 0.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 96, 240) }
```

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

```
.background{ background-color: rgb(115, 96,  
240) }
```

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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