

Converting Colors

$Y_{xy}(19.8097, 0.1978, 0.1361)$

Have a look what the booklet for
Yxy(19.8097, 0.1978, 0.1361)
contains.

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Color

Yxy(19.7869, 0.1976, 0.1360)

Conversions

Conversions Part 1

Format	Color
Hex	6A66FF
RGB	106, 102, 255
RGB Percent	42%, 40%, 100%
CMY	0.5844, 0.6000, 0.0000
CMYK	0.58, 0.60, 0.00, 0.00
HSL	242°, 100%, 70%
HSV	242°, 60%, 100%
XYZ	28.7492, 19.7869, 96.9558
YIQ	120.6380, -46.7290, 48.4310

Conversions

Conversions Part 2

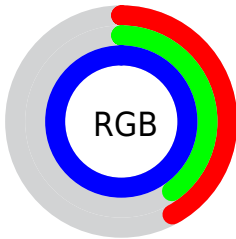
Format	Color
RYB	106, 102, 255
Decimal	6973183
CIELab	51.60, 44.27, -75.87
CIELCh	52, 87.843, 300.266
Yxy	19.7869, 0.1976, 0.1360
Android (android.graphics.Color)	4285163263 (0xFF6A66FF)
YUV	120.6380, 66.2405, -12.8375
Hunter-Lab	44.4825, 37.5210, -98.0932

Details

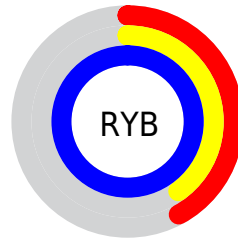
The Yxy color **19.7869, 0.1976, 0.1360** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **92.9914, 0.3950, 0.4712**, and the grayscale version is **18.7884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4375, 0.2491, 0.2091**, and **6.8637, 0.1632, 0.0951** is the 20% darker color. If you saturate the color by 10%, you get **14.2126, 0.1792, 0.1058**, and if you desaturate by 10%, it is **27.3367, 0.2184, 0.1704**.

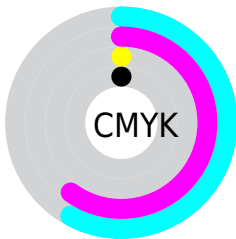
Distribution



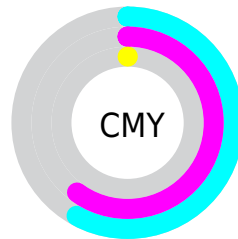
- Red (42%)
- Green (40%)
- Blue (100%)



- Red (42%)
- Yellow (40%)
- Blue (100%)



- Cyan (58%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7869, 0.1976, 0.1360 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 19.7869, 0.1976, 0.1360 by changing the saturation by 10% instead.


 19.7869, 0.1976,
0.1360


 19.7869, 0.1976,
0.1360


250.7591, 0.2594,
0.2258


 12.2402, 0.1823,
0.1172


 43.0596, 0.2203,
0.1662


 6.9075, 0.1632,
0.0955


 59.5545, 0.2288,
0.1783

 3.4043, 0.1392,
0.0709


 79.8008, 0.2360,
0.1889

 1.3463, 0.1093,
0.0445

 104.1831, 0.2421,
0.1981

 0.1766, 0.0740,
0.0099

133.0857, 0.2473,
0.2063

 0.0000, 0.0201,
0.0000

166.8929, 0.2519,

 0.0000, 0.0000,

0.2135

0.0000

205.9893, 0.2559,
0.2200

■ 19.7869, 0.1976,
0.1360

■ 19.7869, 0.1976,
0.1360

■ 14.2126, 0.1792,
0.1058

■ 27.3367, 0.2184,
0.1704

■ 10.4366, 0.1646,
0.0823

■ 37.0330, 0.2399,
0.2062

■ 8.2351, 0.1551,
0.0673

■ 49.0188, 0.2607,
0.2411

■ 7.2628, 0.1505,
0.0603

■ 63.4271, 0.2801,
0.2737

■ 80.3806, 0.2974,
0.3031

99.9940, 0.3127,
0.3290

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.



19.7869, 0.1219, 0.1278



19.7869, 0.1976, 0.1360



19.7869, 0.3331, 0.1744

Triad

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



19.7869, 0.1976, 0.1360



19.7869, 0.5802, 0.4018



19.7869, 0.1336, 0.4125

Complementary

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



19.7869, 0.1976, 0.1360



92.9914, 0.3950, 0.4712

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.



19.7869, 0.2318, 0.6062



19.7869, 0.1976, 0.1360



19.7869, 0.4853, 0.5127

Square

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



19.7869, 0.1976, 0.1360



19.7869, 0.6017, 0.3162



19.7869, 0.3565, 0.6150



19.7869, 0.0906, 0.2355

Rectangle

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



19.7869, 0.1976, 0.1360



19.7869, 0.4476, 0.2158



19.7869, 0.3565, 0.6150



19.7869, 0.1607, 0.4870

Sweetspot

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



19.7840, 0.1976, 0.1360



66.6150, 0.2837, 0.2798



79.9481, 0.2383, 0.3258



13.2742, 0.2784, 0.2708



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.



19.7840, 0.1976, 0.1360



13.3214, 0.1759, 0.1005



26.5507, 0.2523, 0.1600



17.4003, 0.2982, 0.3044



3.8047, 0.1508, 0.0604



0.3780, 0.1526, 0.0614

Inverse Universe

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



37.7274, 0.3229, 0.1921



32.7334, 0.3247, 0.1748



81.7030, 0.3436, 0.5008



18.2917, 0.3142, 0.3062



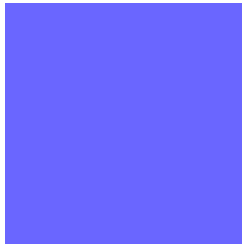
14.6655, 0.3275, 0.1578



1.4304, 0.3267, 0.1574

Previews

White Background



This preview shows how the Yxy color 19.7869, 0.1976, 0.1360 looks on a white background.

Color Contrast Check

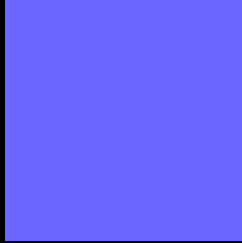
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7869, 0.1976, 0.1360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

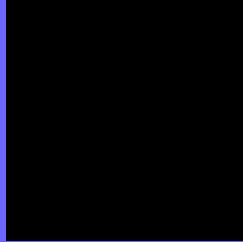
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7869, 0.1976, 0.1360

Background



This preview shows how black text looks on a background with the Yxy color 19.7869, 0.1976, 0.1360.



This preview shows how white text looks on a background with the Yxy color 19.7869, 0.1976, 0.1360.

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

19.7869, 0.1976, 0.1360

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.7185, 0.2367, 0.3065

Trichromacy



Original Color

19.7869, 0.1976, 0.1360

Protanomaly

19.0480, 0.1757, 0.1383

Deuteranomaly

18.8671, 0.1825, 0.1603

Tritanomaly

18.9163, 0.2174, 0.2212

Monochromacy



Original Color

19.7869, 0.1976, 0.1360

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6499, 0.2570, 0.2341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7869, 0.1976, 0.1360 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(106, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 102, 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(106, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.7869, 0.1976, 0.1360 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(106, 102, 255) }
```

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

```
.border{ border-color:rgb(106, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7869, 0.1976, 0.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 102, 255) }
```

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

```
.background{ background-color: rgb(106,  
102, 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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