

# Converting Colors

Yxy(19.7504, 0.1976, 0.1439)

Have a look what the booklet for  
Yxy(19.7504, 0.1976, 0.1439)  
contains.

<b>Yxy(19.6761, 0.1975, 0.1435)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(19.6761, 0.1975, 0.1435)**

# Conversions

Conversions Part 1	
Format	Color
Hex	636AF7
RGB	99, 106, 247
RGB Percent	39%, 42%, 97%
CMY	0.6121, 0.5842, 0.0314
CMYK	0.60, 0.57, 0.00, 0.03
HSL	237°, 90%, 68%
HSV	237°, 60%, 97%
XYZ	27.0803, 19.6761, 90.3592
YIQ	119.9810, -49.4330, 42.3670

# Conversions

## Conversions Part 2

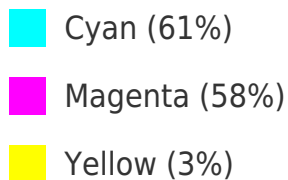
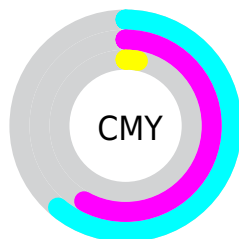
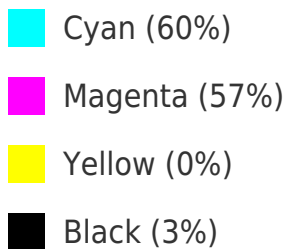
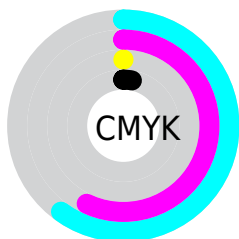
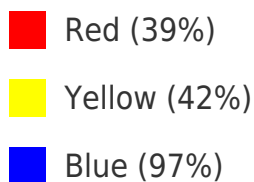
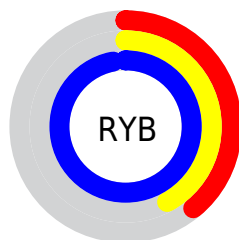
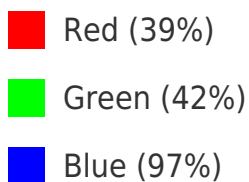
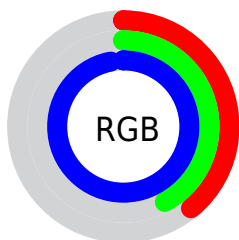
Format	Color
<a href="#">RYB</a>	<a href="#">99, 106, 247</a>
Decimal	<a href="#">6515447</a>
CIELab	<a href="#">51.47, 38.19, -71.62</a>
CIELCh	<a href="#">51, 81.169, 298.071</a>
Yxy	<a href="#">19.6761, 0.1975, 0.1435</a>
Android (android.graphics.Color)	<a href="#">4284705527</a> (0xFF636AF7)
YUV	<a href="#">119.9810, 62.6204, -18.4003</a>
Hunter-Lab	<a href="#">44.3578, 31.3479, -89.7266</a>

# Details

The Yxy color **19.6761, 0.1975, 0.1435** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **82.9285, 0.4015, 0.4641**, and the grayscale version is **18.5815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9110, 0.2442, 0.2121**, and **6.8908, 0.1626, 0.1024** is the 20% darker color. If you saturate the color by 10%, you get **14.2916, 0.1793, 0.1130**, and if you desaturate by 10%, it is **26.8153, 0.2180, 0.1773**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6761, 0.1975, 0.1435 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 19.6761, 0.1975, 0.1435 by changing the saturation by 10% instead.





 19.6761, 0.1975,  
0.1435


 19.6761, 0.1975,  
0.1435


250.1562, 0.2594,  
0.2316


 12.1598, 0.1820,  
0.1245


 42.8735, 0.2203,  
0.1735

 6.8526, 0.1626,  
0.1024


 59.3234, 0.2288,  
0.1854

 3.3701, 0.1382,  
0.0769


 79.5199, 0.2360,  
0.1958

 1.3279, 0.1075,  
0.0489

 103.8475, 0.2421,  
0.2048

 0.1626, 0.0712,  
0.0104

132.6905, 0.2474,  
0.2127

 0.0000, 0.0042,  
0.0000


166.4334, 0.2519,


 0.0000, 0.0000,


0.2198


0.0000


205.4605, 0.2559,  
0.2260


 19.6761, 0.1975,  
0.1435


 19.6761, 0.1975,  
0.1435

 14.2916, 0.1793,  
0.1130


 26.8153, 0.2180,  
0.1773


 10.5086, 0.1649,  
0.0882


 35.8415, 0.2393,  
0.2120


 8.1500, 0.1554,  
0.0711


 46.8763, 0.2601,  
0.2455


 6.9779, 0.1506,  
0.0621

 60.0306, 0.2795,  
0.2765

 6.9741, 0.1506,  
0.0621

 75.4073, 0.2971,  
0.3045

 93.1023, 0.3128,  
0.3291

 99.4949, 0.3173,  
0.3367

# Harmonies

## Analogous

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



19.6761, 0.1275, 0.1380



19.6761, 0.1975, 0.1435



19.6761, 0.3216, 0.1788

# Triad

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



19.6761, 0.1975, 0.1435



19.6761, 0.5722, 0.3983



19.6761, 0.1503, 0.4219

# Complementary

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



19.6761, 0.1975, 0.1435



82.9285, 0.4015, 0.4641

# 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.



19.6761, 0.2491, 0.5897



19.6761, 0.1975, 0.1435



19.6761, 0.4876, 0.4989

# Square

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



19.6761, 0.1975, 0.1435



19.6761, 0.5804, 0.3155



19.6761, 0.3698, 0.5935



19.6761, 0.1028, 0.2526



# Rectangle

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



19.6761, 0.1975, 0.1435



19.6761, 0.4270, 0.2178



19.6761, 0.3698, 0.5935



19.6761, 0.1783, 0.4884

# Sweetspot

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



19.6767, 0.1975, 0.1435



67.5282, 0.2830, 0.2821



75.4319, 0.2421, 0.3378



13.4911, 0.2776, 0.2736



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.



19.6767, 0.1975, 0.1435



14.3421, 0.1758, 0.1070



23.6834, 0.2439, 0.1567



16.0541, 0.2979, 0.3057



3.7453, 0.1508, 0.0629



0.3732, 0.1529, 0.0704



# Inverse Universe

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



29.7233, 0.4930, 0.3227



26.3997, 0.5503, 0.3230



77.1628, 0.3502, 0.4966



16.4954, 0.3286, 0.3279



10.4775, 0.6351, 0.3272

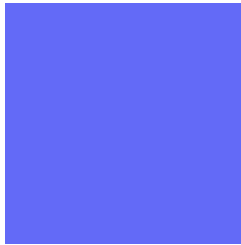


0.9253, 0.6226, 0.3204



# Previews

## White Background



This preview shows how the Yxy color 19.6761, 0.1975, 0.1435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

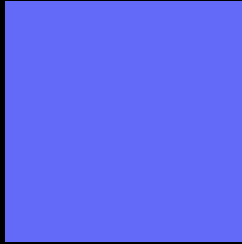
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.6761, 0.1975, 0.1435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

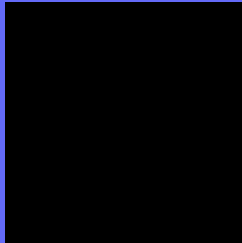
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 19.6761, 0.1975, 0.1435**

## Background



This preview shows how black text looks on a background with the Yxy color 19.6761, 0.1975, 0.1435.



This preview shows how white text looks on a background with the Yxy color 19.6761, 0.1975, 0.1435.

# 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

19.6761, 0.1975, 0.1435

### Protanopia

19.6247, 0.1734, 0.1441

### Deuteranopia

19.6770, 0.1840, 0.1823



## Tritanopia

19.5187, 0.2328, 0.3063

# Trichromacy



## Original Color

19.6761, 0.1975, 0.1435



## Protanomaly

19.0249, 0.1760, 0.1411



## Deuteranomaly

18.9334, 0.1827, 0.1631



## Tritanomaly

18.7673, 0.2153, 0.2260

# Monochromacy



## Original Color

19.6761, 0.1975, 0.1435



## Achromatopsia

18.7821, 0.3127, 0.3290



## Achromatomaly

18.4594, 0.2566, 0.2405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.6761, 0.1975, 0.1435 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(99, 106, 247)` looks like.

```
.text, #text, p{  
    color:rgb(99, 106, 247)  
}
```

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(99, 106, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 106, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 19.6761, 0.1975, 0.1435 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(99, 106, 247) }
```

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

```
.border{ border-color:rgb(99, 106, 247) }
```

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

Here you see how a box with a 4 pixel rgb(99, 106, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 106, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 106, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 106,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.6761, 0.1975, 0.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 106, 247) }
```

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

```
.background{ background-color: rgb(99, 106,  
247) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor