

Converting Colors

$Yxy(16.1974, 0.1772, 0.1237)$

Have a look what the booklet for
Yxy(16.1974, 0.1772, 0.1237)
contains.

Yxy(16.1974, 0.1772, 0.1237)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.1974, 0.1772, 0.1237)

Conversions

Conversions Part 1

Format	Color
Hex	3D60F9
RGB	61, 96, 249
RGB Percent	24%, 38%, 98%
CMY	0.7612, 0.6235, 0.0235
CMYK	0.76, 0.61, 0.00, 0.02
HSL	229°, 94%, 61%
HSV	229°, 76%, 98%
XYZ	23.2027, 16.1974, 91.5408
YIQ	102.9770, -69.9730, 40.1630

Conversions

Conversions Part 2

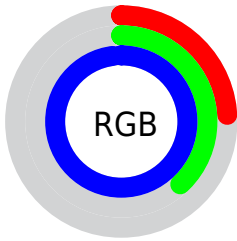
Format	Color
R _Y B	61, 91, 249
Decimal	4022521
CIE Lab	47.23, 39.94, -79.74
CIE LCh	47, 89.183, 296.603
Yxy	16.1974, 0.1772, 0.1237
Android (android.graphics.Color)	4282212601 (0xFF3D60F9)
YUV	102.9770, 71.9893, -36.8138
Hunter-Lab	40.2460, 32.4789, -106.6849

Details

The Yxy color **16.1974, 0.1772, 0.1237** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **68.5175, 0.4358, 0.4670**, and the grayscale version is **13.3715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8461, 0.2245, 0.1933**, and **6.0428, 0.1586, 0.0909** is the 20% darker color. If you saturate the color by 10%, you get **12.3518, 0.1649, 0.0999**, and if you desaturate by 10%, it is **21.3617, 0.1930, 0.1516**.

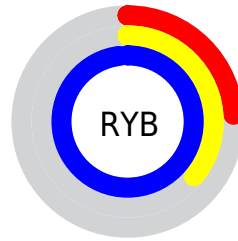
Distribution



Red (24%)

Green (38%)

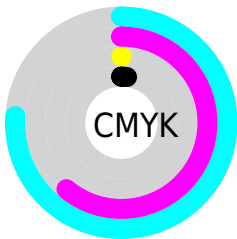
Blue (98%)



Red (24%)

Yellow (36%)

Blue (98%)

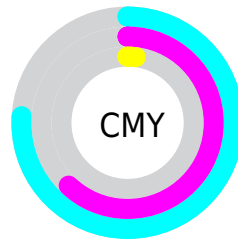


Cyan (76%)

Magenta (61%)

Yellow (0%)

Black (2%)



Cyan (76%)


Magenta (62%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1974, 0.1772, 0.1237 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 16.1974, 0.1772, 0.1237 by changing the saturation by 10% instead.


 16.1974, 0.1772,
0.1237


 16.1974, 0.1772,
0.1237


230.5037, 0.2499,
0.2205


 9.6639, 0.1595,
0.1037


 36.9406, 0.2037,
0.1562


 5.1767, 0.1377,
0.0809


 51.9191, 0.2137,
0.1692

 2.3513, 0.1111,
0.0559

 70.4814, 0.2222,
0.1806

 0.8007, 0.0795,
0.0305

 93.0119, 0.2294,
0.1906

 0.0000, 0.0445,
0.0000

119.8950, 0.2356,
0.1994

 0.0000, 0.0000,
0.0000

151.5150, 0.2410,

0.2073

188.2565, 0.2457,
0.2142

■ 16.1974, 0.1772,
0.1237

■ 16.1974, 0.1772,
0.1237

■ 12.3518, 0.1649,
0.0999

■ 21.3617, 0.1930,
0.1516

■ 9.6936, 0.1568,
0.0816

■ 27.9554, 0.2113,
0.1818

■ 8.8336, 0.1543,
0.0753

■ 36.0779, 0.2309,
0.2124

■ 45.8195, 0.2506,
0.2421

■ 57.2629, 0.2698,
0.2699

■ 70.4854, 0.2877,
0.2951

■ 85.5592, 0.3042,
0.3177

■ 99.6207, 0.3162,
0.3347

Harmonies

Analogous

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



16.1974, 0.1064, 0.1187



16.1974, 0.1772, 0.1237



16.1974, 0.3122, 0.1592

Triad

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



16.1974, 0.1772, 0.1237



16.1974, 0.6026, 0.3858



16.1974, 0.1302, 0.4488

Complementary

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



16.1974, 0.1772, 0.1237



68.5175, 0.4358, 0.4670

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.



16.1974, 0.2361, 0.6469



16.1974, 0.1772, 0.1237



16.1974, 0.5017, 0.4983

Square

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



16.1974, 0.1772, 0.1237



16.1974, 0.6165, 0.3003



16.1974, 0.3697, 0.6257



16.1974, 0.0818, 0.2431

Rectangle

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



16.1974, 0.1772, 0.1237



16.1974, 0.4346, 0.1996



16.1974, 0.3697, 0.6257



16.1974, 0.1601, 0.5317

Sweetspot

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



16.1978, 0.1772, 0.1237



63.7743, 0.2744, 0.2765



73.4743, 0.2446, 0.3775



12.6332, 0.2677, 0.2670



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.



16.1978, 0.1772, 0.1237



11.3304, 0.1598, 0.0889



13.9710, 0.1995, 0.1066



17.1672, 0.2979, 0.3091



4.8769, 0.1548, 0.0774



0.5883, 0.1603, 0.0970

Inverse Universe

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



24.3136, 0.5312, 0.3014



22.2674, 0.5903, 0.3090



79.3809, 0.3706, 0.5198



17.2781, 0.3265, 0.3246



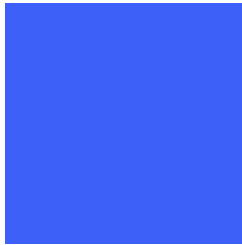
10.9032, 0.6112, 0.3141



1.0236, 0.5804, 0.2971

Previews

White Background



This preview shows how the Yxy color 16.1974, 0.1772, 0.1237 looks on a white background.

Color Contrast Check

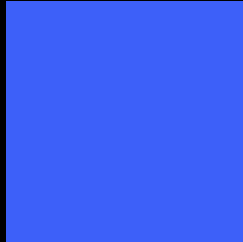
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1974, 0.1772, 0.1237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

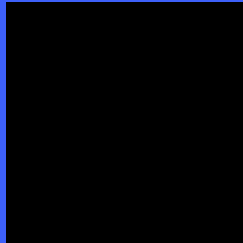
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1974, 0.1772, 0.1237

Background



This preview shows how black text looks on a background with the Yxy color 16.1974, 0.1772, 0.1237.



This preview shows how white text looks on a background with the Yxy color 16.1974, 0.1772, 0.1237.

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

16.1974, 0.1772, 0.1237

Protanopia

16.0614, 0.1739, 0.1461

Deuteranopia

15.9748, 0.1851, 0.1864



Tritanopia

15.8046, 0.2196, 0.3104

Trichromacy



Original Color

16.1974, 0.1772, 0.1237

Protanomaly

15.8692, 0.1730, 0.1360

Deuteranomaly

15.5923, 0.1789, 0.1562

Tritanomaly

15.0368, 0.1951, 0.2114

Monochromacy



Original Color

16.1974, 0.1772, 0.1237

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5893, 0.2372, 0.2210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1974, 0.1772, 0.1237 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(61, 96, 249)` looks like.

```
.text, #text, p{  
    color:rgb(61, 96, 249)  
}
```

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(61, 96, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 96, 249) }
```

Border

The CSS property to change the border of an element to Yxy 16.1974, 0.1772, 0.1237 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(61, 96, 249) }
```

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

```
.border{ border-color:rgb(61, 96, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 96, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 96, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 96, 249);  
box-shadow:4px 4px 4px 4px rgb(61, 96,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1974, 0.1772, 0.1237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 96, 249) }
```

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

```
.background{ background-color: rgb(61, 96,  
249) }
```

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