

Converting Colors

$Y_{xy}(16.2780, 0.1837, 0.1310)$

Have a look what the booklet for
Yxy(16.2780, 0.1837, 0.1310)
contains.

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Color

Yxy(16.2780, 0.1837, 0.1310)

Conversions

Conversions Part 1

Format	Color
Hex	4861F1
RGB	72, 97, 241
RGB Percent	28%, 38%, 95%
CMY	0.7174, 0.6196, 0.0549
CMYK	0.70, 0.60, 0.00, 0.05
HSL	231°, 86%, 61%
HSV	231°, 70%, 95%
XYZ	22.8265, 16.2780, 85.1551
YIQ	105.9410, -61.1240, 39.4840

Conversions

Conversions Part 2

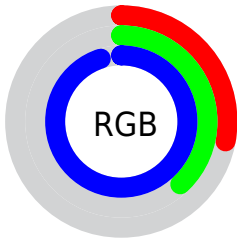
Format	Color
R _Y B	72, 94, 241
Decimal	4743665
CIE Lab	47.34, 37.79, -75.06
CIE LCh	47, 84.039, 296.721
Yxy	16.2780, 0.1837, 0.1310
Android (android.graphics.Color)	4282933745 (0xFF4861F1)
YUV	105.9410, 66.5841, -29.7663
Hunter-Lab	40.3460, 30.3841, -96.8964

Details

The Yxy color **16.2780, 0.1837, 0.1310** 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 **68.3125, 0.4237, 0.4667**, and the grayscale version is **14.2267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6629, 0.2285, 0.1957**, and **5.8283, 0.1596, 0.0946** is the 20% darker color. If you saturate the color by 10%, you get **12.2090, 0.1692, 0.1048**, and if you desaturate by 10%, it is **21.6934, 0.2013, 0.1609**.

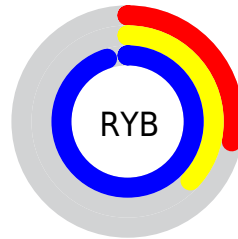
Distribution



Red (28%)

Green (38%)

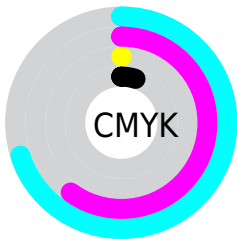
Blue (95%)



Red (28%)

Yellow (37%)

Blue (95%)

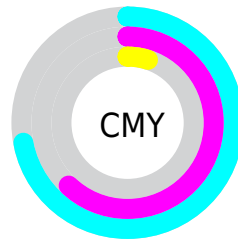


Cyan (70%)

Magenta (60%)

Yellow (0%)

Black (5%)



Cyan (72%)

Magenta (62%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2780, 0.1837, 0.1310 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 16.2780, 0.1837, 0.1310 by changing the saturation by 10% instead.

■ 16.2780, 0.1837,
0.1310

■ 16.2780, 0.1837,
0.1310

■ 230.9766, 0.2536,
0.2259

■ 9.7211, 0.1663,
0.1108

■ 37.0802, 0.2095,
0.1633

■ 5.2144, 0.1446,
0.0875

■ 52.0942, 0.2191,
0.1761

■ 2.3736, 0.1177,
0.0615

■ 70.6960, 0.2273,
0.1873

■ 0.8123, 0.0850,
0.0343

■ 93.2701, 0.2342,
0.1970

■ 0.0000, 0.0477,
0.0000

■ 120.2008, 0.2401,
0.2056

■ 0.0000, 0.0000,
0.0000

151.8725, 0.2452,

0.2131

188.6697, 0.2497,
0.2198

■ 16.2780, 0.1837,
0.1310

■ 16.2780, 0.1837,
0.1310

■ 12.2090, 0.1692,
0.1048

■ 21.6934, 0.2013,
0.1609

■ 9.3624, 0.1589,
0.0843


■ 28.5611, 0.2209,
0.1926

■ 7.5865, 0.1529,
0.0703


■ 36.9777, 0.2410,
0.2241

■ 47.0309, 0.2609,
0.2541

■ 58.8018, 0.2796,
0.2818

 72.3661, 0.2969,
0.3068

 87.7949, 0.3126,
0.3288

 99.1307, 0.3209,
0.3425

Harmonies

Analogous

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



16.2780, 0.1138, 0.1262



16.2780, 0.1837, 0.1310



16.2780, 0.3137, 0.1661

Triad

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



16.2780, 0.1837, 0.1310



16.2780, 0.5914, 0.3896



16.2780, 0.1393, 0.4411

Complementary

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



16.2780, 0.1837, 0.1310



68.3125, 0.4237, 0.4667

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.



16.2780, 0.2434, 0.6253



16.2780, 0.1837, 0.1310



16.2780, 0.5004, 0.4996

Square

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



16.2780, 0.1837, 0.1310



16.2780, 0.6016, 0.3054



16.2780, 0.3716, 0.6112



16.2780, 0.0902, 0.2489

Rectangle

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



16.2780, 0.1837, 0.1310



16.2780, 0.4292, 0.2057



16.2780, 0.3716, 0.6112



16.2780, 0.1689, 0.5171

Sweetspot

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



16.2784, 0.1837, 0.1310



65.4746, 0.2779, 0.2793



69.2287, 0.2429, 0.3618



13.1896, 0.2728, 0.2718



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.



16.2784, 0.1837, 0.1310



12.3758, 0.1644, 0.0955



15.8329, 0.2151, 0.1235



15.6051, 0.2980, 0.3082



4.2323, 0.1534, 0.0721



0.4662, 0.1589, 0.0919

Inverse Universe

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



24.2052, 0.5172, 0.3072



23.3054, 0.5766, 0.3110



73.3064, 0.3635, 0.5135



15.7969, 0.3270, 0.3255



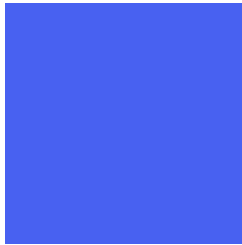
10.2206, 0.6198, 0.3188



0.8618, 0.5882, 0.3014

Previews

White Background



This preview shows how the Yxy color 16.2780, 0.1837, 0.1310 looks on a white background.

Color Contrast Check

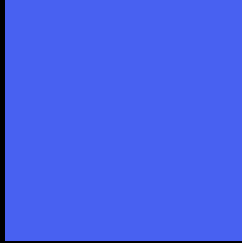
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2780, 0.1837, 0.1310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

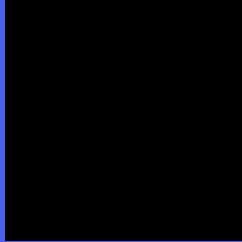
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2780, 0.1837, 0.1310

Background



This preview shows how black text looks on a background with the Yxy color 16.2780, 0.1837, 0.1310.



This preview shows how white text looks on a background with the Yxy color 16.2780, 0.1837, 0.1310.

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

16.2780, 0.1837, 0.1310

Protanopia

16.1168, 0.1737, 0.1454

Deuteranopia

16.0201, 0.1848, 0.1853

Trichromacy



Original Color

16.2780, 0.1837, 0.1310

Protanomaly

15.8033, 0.1740, 0.1376

Deuteranomaly

15.6982, 0.1808, 0.1606

Monochromacy



Original Color

16.2780, 0.1837, 0.1310

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4467, 0.2449, 0.2300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2780, 0.1837, 0.1310 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(72, 97, 241)` looks like.

```
.text, #text, p{  
    color:rgb(72, 97, 241)  
}
```

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(72, 97, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 97, 241) }
```

Border

The CSS property to change the border of an element to Yxy 16.2780, 0.1837, 0.1310 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(72, 97, 241) }
```

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

```
.border{ border-color:rgb(72, 97, 241) }
```

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

Here you see how a box with a 4 pixel rgb(72, 97, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 97, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 97, 241);  
box-shadow:4px 4px 4px 4px rgb(72, 97,  
241) }
```

Background

The CSS property to change the background color of an element to Yxy 16.2780, 0.1837, 0.1310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 97, 241) }
```

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

```
.background{ background-color: rgb(72, 97,  
241) }
```

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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