

Converting Colors

$Y_{xy}(15.1821, 0.1781, 0.1226)$

Have a look what the booklet for
Yxy(15.1821, 0.1781, 0.1226)
contains.

Yxy(15.1821, 0.1781, 0.1226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.1821, 0.1781, 0.1226)

Conversions

Conversions Part 1

Format	Color
Hex	3F5CF3
RGB	63, 92, 243
RGB Percent	25%, 36%, 95%
CMY	0.7533, 0.6392, 0.0469
CMYK	0.74, 0.62, 0.00, 0.05
HSL	230°, 88%, 60%
HSV	230°, 74%, 95%
XYZ	22.0549, 15.1821, 86.5974
YIQ	100.5430, -65.7550, 40.8130

Conversions

Conversions Part 2

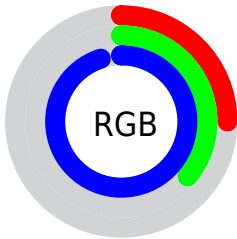
Format	Color
R _Y B	63, 88, 243
Decimal	4152563
CIE Lab	45.88, 40.51, -78.61
CIE LCh	46, 88.434, 297.267
Yxy	15.1821, 0.1781, 0.1226
Android (android.graphics.Color)	4282342643 (0xFF3F5CF3)
YUV	100.5430, 70.2313, -32.9252
Hunter-Lab	38.9642, 32.8490, -104.4962

Details

The Yxy color **15.1821, 0.1781, 0.1226** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **67.4856, 0.4304, 0.4692**, and the grayscale version is **12.7139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6343, 0.2236, 0.1884**, and **5.5782, 0.1582, 0.0983** is the 20% darker color. If you saturate the color by 10%, you get **11.4839, 0.1652, 0.0983**, and if you desaturate by 10%, it is **20.1830, 0.1945, 0.1512**.

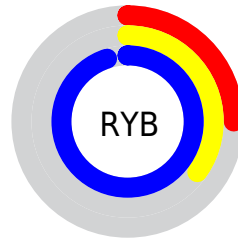
Distribution



Red (25%)

Green (36%)

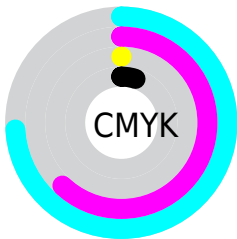
Blue (95%)



Red (25%)

Yellow (35%)

Blue (95%)

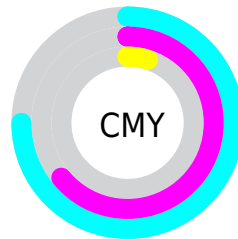


Cyan (74%)

Magenta (62%)

Yellow (0%)

Black (5%)



Cyan (75%)


Magenta (64%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1821, 0.1781, 0.1226 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 15.1821, 0.1781, 0.1226 by changing the saturation by 10% instead.


 15.1821, 0.1781,
0.1226


 15.1821, 0.1781,
0.1226


224.4658, 0.2512,
0.2207


 8.9473, 0.1600,
0.1022


 35.1723, 0.2049,
0.1556


 4.7068, 0.1378,
0.0790


 49.6965, 0.2150,
0.1689


 2.0763, 0.1104,
0.0535

 67.7526, 0.2235,
0.1805

 0.6512, 0.0778,
0.0272

 89.7251, 0.2308,
0.1906

 0.0000, 0.0403,
0.0000

 115.9982, 0.2370,
0.1995

 0.0000, 0.0000,
0.0000

146.9564, 0.2423,

0.2074

182.9842, 0.2470,
0.2144

■ 15.1821, 0.1781,
0.1226

■ 15.1821, 0.1781,
0.1226

■ 11.4839, 0.1652,
0.0983

■ 20.1830, 0.1945,
0.1512

■ 8.9589, 0.1566,
0.0799

■ 26.5963, 0.2133,
0.1821

■ 7.9421, 0.1533,
0.0720

■ 34.5208, 0.2332,
0.2134

■ 44.0459, 0.2532,
0.2437

■ 55.2541, 0.2723,
0.2720

■ 68.2218, 0.2902,
0.2976

■ 83.0212, 0.3065,
0.3204

■ 99.2538, 0.3197,
0.3405

Harmonies

Analogous

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



15.1821, 0.1059, 0.1169



15.1821, 0.1781, 0.1226



15.1821, 0.3158, 0.1589

Triad

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



15.1821, 0.1781, 0.1226



15.1821, 0.6041, 0.3875



15.1821, 0.1264, 0.4446

Complementary

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



15.1821, 0.1781, 0.1226



67.4856, 0.4304, 0.4692

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.



15.1821, 0.2315, 0.6496



15.1821, 0.1781, 0.1226



15.1821, 0.4991, 0.5009

Square

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



15.1821, 0.1781, 0.1226



15.1821, 0.6208, 0.3010



15.1821, 0.3665, 0.6321



15.1821, 0.0795, 0.2385

Rectangle

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



15.1821, 0.1781, 0.1226



15.1821, 0.4402, 0.1998



15.1821, 0.3665, 0.6321



15.1821, 0.1559, 0.5294

Sweetspot

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



15.1824, 0.1781, 0.1226



64.4420, 0.2761, 0.2775



69.9870, 0.2425, 0.3681



13.0015, 0.2711, 0.2702



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.



15.1824, 0.1781, 0.1226



11.2152, 0.1603, 0.0881



14.2255, 0.2064, 0.1124



16.3590, 0.2979, 0.3085



4.4837, 0.1539, 0.0738



0.5178, 0.1593, 0.0934

Inverse Universe

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



23.3799, 0.5314, 0.3054



22.4712, 0.5907, 0.3116



74.5531, 0.3661, 0.5201



16.5262, 0.3268, 0.3252



10.5520, 0.6170, 0.3172



0.9399, 0.5859, 0.3001

Previews

White Background



This preview shows how the Yxy color 15.1821, 0.1781, 0.1226 looks on a white background.

Color Contrast Check

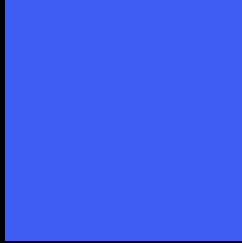
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1821, 0.1781, 0.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

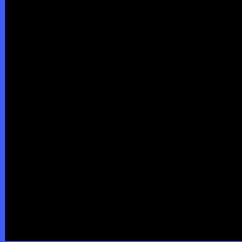
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.1821, 0.1781, 0.1226

Background



This preview shows how black text looks on a background with the Yxy color 15.1821, 0.1781, 0.1226.



This preview shows how white text looks on a background with the Yxy color 15.1821, 0.1781, 0.1226.

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

15.1821, 0.1781, 0.1226

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.0430, 0.1855, 0.1876



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.1821, 0.1781, 0.1226

Protanomaly

14.8979, 0.1734, 0.1366

Deuteranomaly

14.6862, 0.1793, 0.1566

Tritanomaly

14.2363, 0.1953, 0.2109

Monochromacy



Original Color

15.1821, 0.1781, 0.1226

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0615, 0.2380, 0.2213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1821, 0.1781, 0.1226 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(63, 92, 243)` looks like.

```
.text, #text, p{  
    color:rgb(63, 92, 243)  
}
```

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(63, 92, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 92, 243) }
```

Border

The CSS property to change the border of an element to Yxy 15.1821, 0.1781, 0.1226 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(63, 92, 243) }
```

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

```
.border{ border-color:rgb(63, 92, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 92, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 92, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 92, 243);  
box-shadow:4px 4px 4px 4px rgb(63, 92,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1821, 0.1781, 0.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 92, 243) }
```

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

```
.background{ background-color: rgb(63, 92,  
243) }
```

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