

Converting Colors

$Y_{xy}(15.2700, 0.1795, 0.1255)$

Have a look what the booklet for
Yxy(15.2700, 0.1795, 0.1255)
contains.

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Color

Yxy(15.2100, 0.1795, 0.1255)

Conversions

Conversions Part 1

Format	Color
Hex	405DF0
RGB	64, 93, 240
RGB Percent	25%, 36%, 94%
CMY	0.7492, 0.6353, 0.0588
CMYK	0.73, 0.61, 0.00, 0.06
HSL	230°, 85%, 60%
HSV	230°, 73%, 94%
XYZ	21.7545, 15.2100, 84.2307
YIQ	101.0870, -64.4710, 39.5690

Conversions

Conversions Part 2

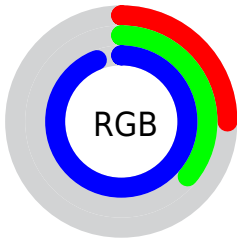
Format	Color
R _Y B	64, 89, 240
Decimal	4218352
CIE Lab	45.92, 38.95, -76.84
CIE LCh	46, 86.146, 296.881
Yxy	15.2100, 0.1795, 0.1255
Android (android.graphics.Color)	4282408432 (0xFF405DF0)
YUV	101.0870, 68.4841, -32.5253
Hunter-Lab	39.0000, 31.3189, -100.7522

Details

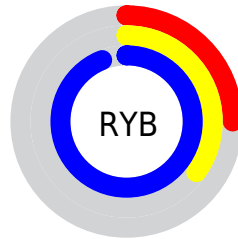
The Yxy color **15.2100, 0.1795, 0.1255** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed blue. A complement of this color would be **65.4586, 0.4299, 0.4679**, and the grayscale version is **12.8681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9333, 0.2239, 0.1896**, and **5.5328, 0.1588, 0.0915** is the 20% darker color. If you saturate the color by 10%, you get **11.5029, 0.1663, 0.1008**, and if you desaturate by 10%, it is **20.1852, 0.1961, 0.1543**.

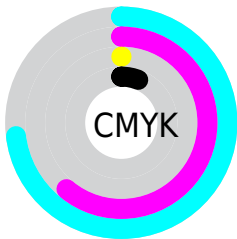
Distribution



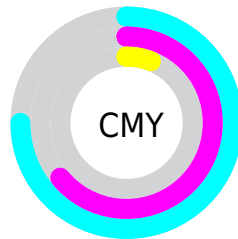
- Red (25%)
- Green (36%)
- Blue (94%)



- Red (25%)
- Yellow (35%)
- Blue (94%)



- Cyan (73%)
- Magenta (61%)
- Yellow (0%)
- Black (6%)





- Cyan (75%)
- Magenta (64%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2100, 0.1795, 0.1255 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 15.2100, 0.1795, 0.1255 by changing the saturation by 10% instead.


 15.2100, 0.1795,
0.1255


 15.2100, 0.1795,
0.1255


224.6338, 0.2520,
0.2229

 8.9669, 0.1615,
0.1050


 35.2212, 0.2062,
0.1585


 4.7196, 0.1391,
0.0815


 49.7580, 0.2162,
0.1717

 2.0837, 0.1116,
0.0556

 67.8282, 0.2246,
0.1832

 0.6554, 0.0787,
0.0285

 89.8162, 0.2318,
0.1932

 0.0000, 0.0398,
0.0000

116.1064, 0.2379,
0.2020

 0.0000, 0.0000,
0.0000

147.0831, 0.2433,

0.2098

183.1308, 0.2479,
0.2167

■ 15.2100, 0.1795,
0.1255

■ 15.2100, 0.1795,
0.1255

■ 11.5029, 0.1663,
0.1008

■ 20.1852, 0.1961,
0.1543

■ 8.9412, 0.1573,
0.0817

■ 26.5325, 0.2150,
0.1852

■ 7.7831, 0.1535,
0.0725

■ 34.3462, 0.2349,
0.2164

■ 43.7117, 0.2547,
0.2464

■ 54.7075, 0.2738,
0.2743

67.4072, 0.2915,
0.2996

81.8793, 0.3077,
0.3221

98.0069, 0.3216,
0.3418

99.0716, 0.3214,
0.3434

Harmonies

Analogous

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



15.2100, 0.1084, 0.1203



15.2100, 0.1795, 0.1255



15.2100, 0.3140, 0.1611

Triad

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



15.2100, 0.1795, 0.1255



15.2100, 0.5998, 0.3877



15.2100, 0.1316, 0.4449

Complementary

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



15.2100, 0.1795, 0.1255



65.4586, 0.4299, 0.4679

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.



15.2100, 0.2368, 0.6412



15.2100, 0.1795, 0.1255



15.2100, 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.



15.2100, 0.1795, 0.1255



15.2100, 0.6135, 0.3022



15.2100, 0.3694, 0.6239



15.2100, 0.0835, 0.2432

Rectangle

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



15.2100, 0.1795, 0.1255



15.2100, 0.4350, 0.2016



15.2100, 0.3694, 0.6239



15.2100, 0.1613, 0.5264

Sweetspot

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



15.2104, 0.1795, 0.1255



64.5378, 0.2761, 0.2777



68.0977, 0.2428, 0.3676



13.0237, 0.2711, 0.2705



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.



15.2104, 0.1795, 0.1255



11.5955, 0.1613, 0.0906



14.1373, 0.2077, 0.1144



15.6501, 0.2980, 0.3087



4.3879, 0.1540, 0.0744



0.4875, 0.1598, 0.0954

Inverse Universe

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



22.9781, 0.5270, 0.3047



22.6321, 0.5864, 0.3104



72.5553, 0.3660, 0.5185



15.8014, 0.3267, 0.3251



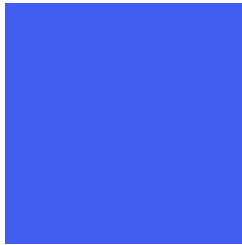
10.2363, 0.6160, 0.3167



0.8639, 0.5828, 0.2984

Previews

White Background



This preview shows how the Yxy color 15.2100, 0.1795, 0.1255 looks on a white background.

Color Contrast Check

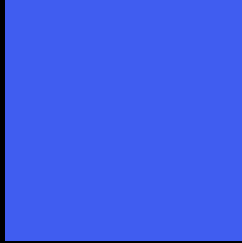
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2100, 0.1795, 0.1255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

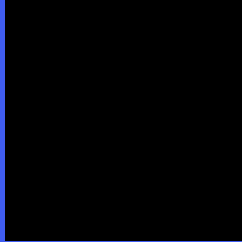
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.2100, 0.1795, 0.1255

Background



This preview shows how black text looks on a background with the Yxy color 15.2100, 0.1795, 0.1255.



This preview shows how white text looks on a background with the Yxy color 15.2100, 0.1795, 0.1255.

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

15.2100, 0.1795, 0.1255

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.0430, 0.1855, 0.1876



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.2100, 0.1795, 0.1255

Protanomaly

14.8426, 0.1736, 0.1372

Deuteranomaly

14.6369, 0.1796, 0.1575

Tritanomaly

14.1986, 0.1957, 0.2123

Monochromacy



Original Color

15.2100, 0.1795, 0.1255

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0771, 0.2398, 0.2231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2100, 0.1795, 0.1255 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(64, 93, 240)` looks like.

```
.text, #text, p{  
    color:rgb(64, 93, 240)  
}
```

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(64, 93, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 93, 240) }
```

Border

The CSS property to change the border of an element to Yxy 15.2100, 0.1795, 0.1255 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(64, 93, 240) }
```

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

```
.border{ border-color:rgb(64, 93, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 93, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 93, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 93, 240);  
box-shadow:4px 4px 4px 4px rgb(64, 93,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2100, 0.1795, 0.1255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 93, 240) }
```

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

```
.background{ background-color: rgb(64, 93,  
240) }
```

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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