

Converting Colors

$Y_{xy}(11.8857, 0.1612, 0.1003)$

Have a look what the booklet for
Yxy(11.8857, 0.1612, 0.1003)
contains.

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Color

Yxy(11.9003, 0.1612, 0.1002)

Conversions

Conversions Part 1

Format	Color
Hex	004DF5
RGB	0, 77, 245
RGB Percent	0%, 30%, 96%
CMY	0.9986, 0.6982, 0.0390
CMYK	1.00, 0.69, 0.00, 0.04
HSL	221°, 100%, 48%
HSV	221°, 100%, 96%
XYZ	19.1450, 11.9003, 87.7202
YIQ	73.1290, -99.8200, 35.9240

Conversions

Conversions Part 2

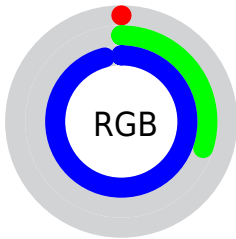
Format	Color
R _Y B	0, 59, 245
Decimal	19957
CIE Lab	41.06, 47.16, -87.72
CIE LCh	41, 99.597, 298.262
Yxy	11.9003, 0.1612, 0.1002
Android (android.graphics.Color)	4278210037 (0xFF004DF5)
YUV	73.1290, 84.7324, -64.1341
Hunter-Lab	34.4968, 38.6943, -126.6177

Details

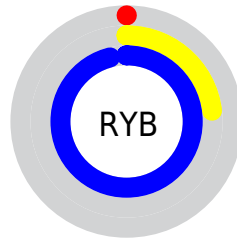
The Yxy color **11.9003, 0.1612, 0.1002** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **47.5977, 0.4891, 0.4497**, and the grayscale version is **6.5655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6524, 0.2074, 0.1646**, and **4.7319, 0.1547, 0.0767** is the 20% darker color. If you saturate the color by 10%, you get **11.8639, 0.1611, 0.0999**, and if you desaturate by 10%, it is **14.7698, 0.1686, 0.1193**.

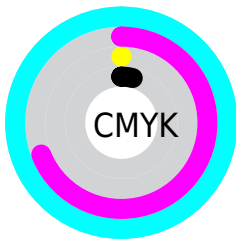
Distribution



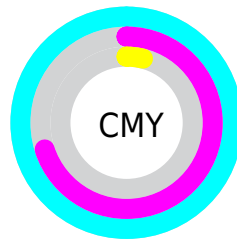
- Red (0%)
- Green (30%)
- Blue (96%)



- Red (0%)
- Yellow (23%)
- Blue (96%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (70%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9003, 0.1612, 0.1002 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 11.9003, 0.1612, 0.1002 by changing the saturation by 10% instead.


 11.9003, 0.1612,
0.1002


 11.9003, 0.1612,
0.1002


203.7441, 0.2439,
0.2069

 6.6758, 0.1413,
0.0794


 29.3134, 0.1913,
0.1352


 3.2602, 0.1172,
0.0568


 42.2708, 0.2028,
0.1495

 1.2690, 0.0888,
0.0337

 58.5746, 0.2124,
0.1622

 0.1170, 0.0573,
0.0050

 78.6093, 0.2206,
0.1734

 0.0000, 0.0153,
0.0000

 102.7592, 0.2277,
0.1832

 0.0000, 0.0000,
0.0000

131.4087, 0.2338,

0.1920

164.9422, 0.2392,
0.1998

■ 11.9003, 0.1612,
0.1002

■ 11.9003, 0.1612,
0.1002

■ 11.8639, 0.1611,
0.0999

■ 14.7698, 0.1686,
0.1193

■ 18.5462, 0.1791,
0.1419

■ 23.3455, 0.1928,
0.1670

■ 29.2506, 0.2088,
0.1934

■ 36.3344, 0.2264,
0.2199

■ 44.6626, 0.2447,
0.2456

■ 54.2960, 0.2630,
0.2696

■ 65.2906, 0.2806,
0.2917

■ 77.6993, 0.2974,
0.3116

Harmonies

Analogous

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



11.9003, 0.0849, 0.0927



11.9003, 0.1612, 0.1002



11.9003, 0.3195, 0.1383

Triad

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



11.9003, 0.1612, 0.1002



11.9003, 0.6291, 0.3709



11.9003, 0.0914, 0.4562

Complementary

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



11.9003, 0.1612, 0.1002



47.5977, 0.4891, 0.4497

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.



11.9003, 0.1942, 0.7252



11.9003, 0.1612, 0.1002



11.9003, 0.4965, 0.5035

Square

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



11.9003, 0.1612, 0.1002



11.9003, 0.6729, 0.2835



11.9003, 0.3342, 0.6658



11.9003, 0.0530, 0.2093

Rectangle

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



11.9003, 0.1612, 0.1002



11.9003, 0.4708, 0.1819



11.9003, 0.3342, 0.6658



11.9003, 0.1191, 0.5701

Sweetspot

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



11.9005, 0.1612, 0.1002



59.1958, 0.2626, 0.2691



68.1534, 0.2549, 0.4376



11.6814, 0.2549, 0.2592



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.



11.9005, 0.1612, 0.1002



12.9319, 0.1610, 0.0996



7.1667, 0.1575, 0.0642



16.7731, 0.2980, 0.3123



6.6053, 0.1619, 0.1028



0.7565, 0.1687, 0.1273

Inverse Universe

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



19.9659, 0.5755, 0.2945



21.8366, 0.5765, 0.2949



77.6471, 0.3867, 0.5311



16.5680, 0.3244, 0.3216



10.7662, 0.5717, 0.2923



0.9640, 0.5364, 0.2728

Previews

White Background



This preview shows how the Yxy color 11.9003, 0.1612, 0.1002 looks on a white background.

Color Contrast Check

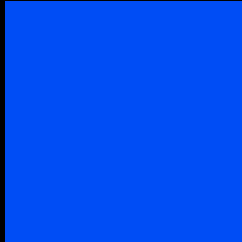
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9003, 0.1612, 0.1002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

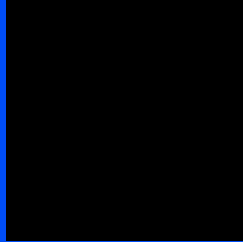
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9003, 0.1612, 0.1002

Background



This preview shows how black text looks on a background with the Yxy color 11.9003, 0.1612, 0.1002.



This preview shows how white text looks on a background with the Yxy color 11.9003, 0.1612, 0.1002.

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

11.9003, 0.1612, 0.1002

Protanopia

11.7688, 0.1749, 0.1495

Deuteranopia

11.7137, 0.1864, 0.1909



Tritanopia

11.7076, 0.2203, 0.3131

Trichromacy



Original Color

11.9003, 0.1612, 0.1002

Protanomaly

11.6205, 0.1687, 0.1271

Deuteranomaly

11.4223, 0.1740, 0.1462

Tritanomaly

10.9390, 0.1868, 0.1925

Monochromacy



Original Color

11.9003, 0.1612, 0.1002

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.2795, 0.2036, 0.1837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9003, 0.1612, 0.1002 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(0, 77, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 77, 245)  
}
```

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(0, 77, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 77, 245) }
```

Border

The CSS property to change the border of an element to Yxy 11.9003, 0.1612, 0.1002 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(0, 77, 245) }
```

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

```
.border{ border-color:rgb(0, 77, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 77, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 77, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 77, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 77, 245)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9003, 0.1612, 0.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 77, 245) }
```

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

```
.background{ background-color: rgb(0, 77,  
245) }
```

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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