

Converting Colors

$Yxy(12.4642, 0.1602, 0.0966)$

Have a look what the booklet for
Yxy(12.4642, 0.1602, 0.0966)
contains.

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Color

Yxy(12.5278, 0.1603, 0.0970)

Conversions

Conversions Part 1

Format	Color
Hex	004DFF
RGB	0, 77, 255
RGB Percent	0%, 30%, 100%
CMY	0.9992, 0.6980, 0.0001
CMYK	1.00, 0.70, 0.00, 0.00
HSL	222°, 100%, 50%
HSV	222°, 100%, 100%
XYZ	20.7032, 12.5278, 95.9216
YIQ	74.2690, -103.0300, 39.0340

Conversions

Conversions Part 2

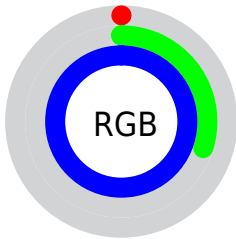
Format	Color
R _{YB}	0, 59, 255
Decimal	19967
CIE _{Lab}	42.04, 50.66, -91.65
CIE _{LCh}	42, 104.719, 298.929
Yxy	12.5278, 0.1603, 0.0970
Android (android.graphics.Color)	4278210047 (0xFF004DFF)
YUV	74.2690, 89.1004, -65.1339
Hunter-Lab	35.3946, 42.4683, -135.9033

Details

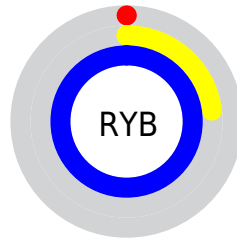
The Yxy color **12.5278, 0.1603, 0.0970** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **53.1769, 0.4862, 0.4521**, and the grayscale version is **6.7624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8547, 0.2091, 0.1653**, and **5.1189, 0.1540, 0.0742** is the 20% darker color. If you saturate the color by 10%, you get **12.5060, 0.1603, 0.0969**, and if you desaturate by 10%, it is **15.5854, 0.1675, 0.1158**.

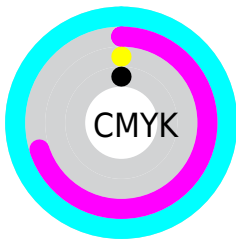
Distribution



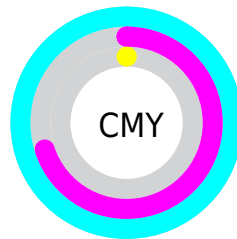
- Red (0%)
- Green (30%)
- Blue (100%)



- Red (0%)
- Yellow (23%)
- Blue (100%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5278, 0.1603, 0.0970 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 12.5278, 0.1603, 0.0970 by changing the saturation by 10% instead.


 12.5278, 0.1603,
0.0970


 12.5278, 0.1603,
0.0970


207.8688, 0.2425,
0.2029

 7.1042, 0.1409,
0.0769


 30.4528, 0.1900,
0.1312


 3.5274, 0.1175,
0.0551


 43.7230, 0.2013,
0.1454

 1.4129, 0.0901,
0.0332

 60.3775, 0.2109,
0.1580

 0.2262, 0.0596,
0.0084

 80.8008, 0.2191,
0.1691

 0.0000, 0.0244,
0.0000

 105.3771, 0.2262,
0.1790

 0.0000, 0.0000,
0.0000

134.4910, 0.2324,

0.1879

168.5268, 0.2378,
0.1958

■ 12.5278, 0.1603,
0.0970

■ 12.5278, 0.1603,
0.0970

■ 12.5060, 0.1603,
0.0969

■ 15.5854, 0.1675,
0.1158

■ 19.6551, 0.1781,
0.1384

■ 24.8669, 0.1918,
0.1638

■ 31.3148, 0.2080,
0.1906

■ 39.0815, 0.2258,
0.2176

■ 48.2417, 0.2442,
0.2437

■ 58.8639, 0.2626,
0.2683

■ 71.0118, 0.2804,
0.2908

■ 84.7453, 0.2972,
0.3111

Harmonies

Analogous

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



12.5278, 0.0825, 0.0888



12.5278, 0.1603, 0.0970



12.5278, 0.3238, 0.1359

Triad

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



12.5278, 0.1603, 0.0970



12.5278, 0.6309, 0.3691



12.5278, 0.0845, 0.4519

Complementary

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



12.5278, 0.1603, 0.0970



53.1769, 0.4862, 0.4521

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.



12.5278, 0.1849, 0.7370



12.5278, 0.1603, 0.0970



12.5278, 0.4931, 0.5069

Square

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



12.5278, 0.1603, 0.0970



12.5278, 0.6819, 0.2812



12.5278, 0.3253, 0.6747



12.5278, 0.0487, 0.2015

Rectangle

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



12.5278, 0.1603, 0.0970



12.5278, 0.4805, 0.1800



12.5278, 0.3253, 0.6747



12.5278, 0.1111, 0.5714

Sweetspot

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



12.5280, 0.1603, 0.0970



58.7776, 0.2625, 0.2681



74.5798, 0.2550, 0.4379



11.5842, 0.2547, 0.2580



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.



12.5280, 0.1603, 0.0970



12.5076, 0.1603, 0.0969



7.8260, 0.1574, 0.0641



18.2702, 0.2979, 0.3119



6.7627, 0.1610, 0.0997



0.8403, 0.1671, 0.1216

Inverse Universe

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



21.7975, 0.5804, 0.2971



21.7938, 0.5806, 0.2972



84.9609, 0.3867, 0.5312



18.0772, 0.3247, 0.3219



11.4107, 0.5764, 0.2949



1.1294, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 12.5278, 0.1603, 0.0970 looks on a white background.

Color Contrast Check

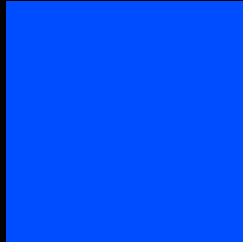
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5278, 0.1603, 0.0970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

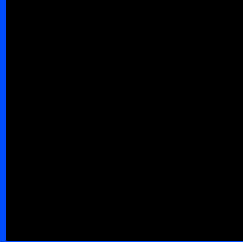
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5278, 0.1603, 0.0970

Background



This preview shows how black text looks on a background with the Yxy color 12.5278, 0.1603, 0.0970.



This preview shows how white text looks on a background with the Yxy color 12.5278, 0.1603, 0.0970.

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

12.5278, 0.1603, 0.0970

Protanopia

12.3545, 0.1746, 0.1486

Deuteranopia

12.2096, 0.1864, 0.1911



Tritanopia

12.1751, 0.2204, 0.3133

Trichromacy



Original Color

12.5278, 0.1603, 0.0970

Protanomaly

12.1468, 0.1679, 0.1243

Deuteranomaly

11.8713, 0.1731, 0.1430

Tritanomaly

11.3026, 0.1856, 0.1880

Monochromacy



Original Color

12.5278, 0.1603, 0.0970

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.5299, 0.2016, 0.1803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5278, 0.1603, 0.0970 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 77, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 77, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.5278, 0.1603, 0.0970 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, 255) }
```

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

```
.border{ border-color:rgb(0, 77, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 77, 255)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5278, 0.1603, 0.0970 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, 255) }
```

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

```
.background{ background-color: rgb(0, 77,  
255) }
```

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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