

Converting Colors

$Yxy(12.0122, 0.1604, 0.0973)$

Have a look what the booklet for
Yxy(12.0122, 0.1604, 0.0973)
contains.

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Color

Yxy(12.0710, 0.1605, 0.0976)

Conversions

Conversions Part 1

Format	Color
Hex	014CFA
RGB	1, 76, 250
RGB Percent	0%, 30%, 98%
CMY	0.9972, 0.7022, 0.0195
CMYK	1.00, 0.70, 0.00, 0.02
HSL	222°, 99%, 49%
HSV	222°, 100%, 98%
XYZ	19.8504, 12.0710, 91.7569
YIQ	73.4110, -100.5540, 38.2140

Conversions

Conversions Part 2

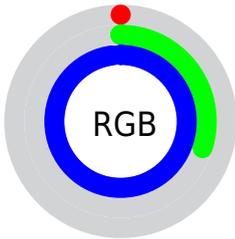
Format	Color
R _Y B	1, 59, 250
Decimal	85242
CIE Lab	41.33, 49.54, -90.07
CIE LCh	41, 102.796, 298.815
Yxy	12.0710, 0.1605, 0.0976
Android (android.graphics.Color)	4278275322 (0xFF014CFA)
YUV	73.4110, 87.0584, -63.5044
Hunter-Lab	34.7433, 41.1839, -132.2641

Details

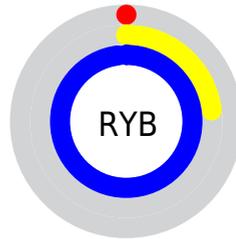
The Yxy color **12.0710, 0.1605, 0.0976** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **50.9136, 0.4860, 0.4521**, and the grayscale version is **6.5762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.5321, 0.2083, 0.1639**, and **4.8388, 0.1540, 0.0743** is the 20% darker color. If you saturate the color by 10%, you get **11.9986, 0.1603, 0.0971**, and if you desaturate by 10%, it is **15.0210, 0.1678, 0.1165**.

Distribution



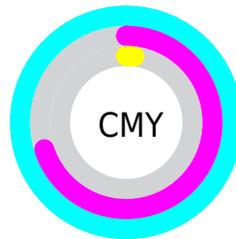
- Red (0%)
- Green (30%)
- Blue (98%)



- Red (0%)
- Yellow (23%)
- Blue (98%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (70%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0710, 0.1605, 0.0976 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 12.0710, 0.1605, 0.0976 by changing the saturation by 10% instead.

 12.0710, 0.1605,
0.0976

 12.0710, 0.1605,
0.0976

204.8748, 0.2432,
0.2042

 6.7921, 0.1408,
0.0771

 29.6244, 0.1905,
0.1322

 3.3324, 0.1171,
0.0550

 42.6675, 0.2019,
0.1466

 1.3076, 0.0891,
0.0327

 59.0676, 0.2116,
0.1592

 0.1471, 0.0581,
0.0059

 79.2089, 0.2198,
0.1704

 0.0000, 0.0197,
0.0000

 103.4759, 0.2269,
0.1803

 0.0000, 0.0000,
0.0000

132.2530, 0.2330,

0.1892

165.9244, 0.2384,
0.1971

■ 12.0710, 0.1605,
0.0976

■ 12.0710, 0.1605,
0.0976

■ 11.9986, 0.1603,
0.0971

■ 15.0210, 0.1678,
0.1165

■ 18.9409, 0.1785,
0.1392

■ 23.9530, 0.1922,
0.1646

■ 30.1465, 0.2085,
0.1913

■ 37.6000, 0.2262,
0.2183

■ 46.3843, 0.2447,
0.2444

■ 56.5647, 0.2630,
0.2689

■ 68.2017, 0.2808,
0.2913

■ 81.3524, 0.2976,
0.3115

Harmonies

Analogous

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



12.0710, 0.0829, 0.0896



12.0710, 0.1605, 0.0976



12.0710, 0.3230, 0.1363

Triad

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



12.0710, 0.1605, 0.0976



12.0710, 0.6305, 0.3695



12.0710, 0.0857, 0.4526

Complementary

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



12.0710, 0.1605, 0.0976



50.9136, 0.4860, 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.



12.0710, 0.1866, 0.7347



12.0710, 0.1605, 0.0976



12.0710, 0.4937, 0.5063

Square

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



12.0710, 0.1605, 0.0976



12.0710, 0.6802, 0.2817



12.0710, 0.3269, 0.6731



12.0710, 0.0495, 0.2029

Rectangle

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



12.0710, 0.1605, 0.0976



12.0710, 0.4787, 0.1804



12.0710, 0.3269, 0.6731



12.0710, 0.1126, 0.5711

Sweetspot

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



12.0712, 0.1605, 0.0976



58.7911, 0.2625, 0.2681



71.3428, 0.2549, 0.4375



11.5873, 0.2548, 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.



12.0712, 0.1605, 0.0976



12.5211, 0.1603, 0.0969



7.5106, 0.1576, 0.0643



17.4969, 0.2979, 0.3120



6.5819, 0.1611, 0.0999



0.7870, 0.1675, 0.1230

Inverse Universe

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



20.8675, 0.5794, 0.2967



21.7951, 0.5805, 0.2971



81.2800, 0.3867, 0.5310



17.3114, 0.3246, 0.3219



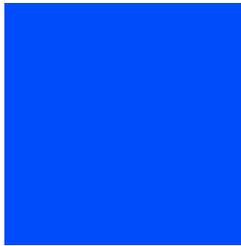
11.0753, 0.5760, 0.2947



1.0437, 0.5424, 0.2761

Previews

White Background



This preview shows how the Yxy color 12.0710, 0.1605, 0.0976 looks on a white background.

Color Contrast Check

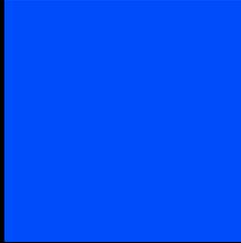
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0710, 0.1605, 0.0976 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 12.0710, 0.1605, 0.0976

Background



This preview shows how black text looks on a background with the Yxy color 12.0710, 0.1605, 0.0976.



This preview shows how white text looks on a background with the Yxy color 12.0710, 0.1605, 0.0976.

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

12.0775, 0.1605, 0.0977

Protanopia

11.8599, 0.1744, 0.1478

Deuteranopia

11.9044, 0.1870, 0.1930



Tritanopia

11.7076, 0.2203, 0.3131

Trichromacy



Original Color

12.0775, 0.1605, 0.0977

Protanomaly

11.7743, 0.1681, 0.1253

Deuteranomaly

11.5134, 0.1735, 0.1446

Tritanomaly

11.0101, 0.1861, 0.1898

Monochromacy



Original Color

12.0775, 0.1605, 0.0977

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.3080, 0.2029, 0.1823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0710, 0.1605, 0.0976 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(1, 76, 250)` looks like.

```
.text, #text, p{  
    color:rgb(1, 76, 250)  
}
```

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(1, 76, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 76, 250) }
```

Border

The CSS property to change the border of an element to Yxy 12.0710, 0.1605, 0.0976 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(1, 76, 250) }
```

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

```
.border{ border-color:rgb(1, 76, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 76, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 76, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 76, 250);  
box-shadow:4px 4px 4px 4px rgb(1, 76, 250)  
}
```

Background

The CSS property to change the background color of an element to Yxy 12.0710, 0.1605, 0.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 76, 250) }
```

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

```
.background{ background-color: rgb(1, 76,  
250) }
```

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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