

Converting Colors

$Yxy(17.2111, 0.1723, 0.1402)$

Have a look what the booklet for
Yxy(17.2111, 0.1723, 0.1402)
contains.

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Color

Yxy(17.2285, 0.1722, 0.1400)

Conversions

Conversions Part 1

Format	Color
Hex	006DF0
RGB	0, 109, 240
RGB Percent	0%, 43%, 94%
CMY	1.0000, 0.5725, 0.0588
CMYK	1.00, 0.55, 0.00, 0.06
HSL	213°, 100%, 47%
HSV	213°, 100%, 94%
XYZ	21.1911, 17.2285, 84.6412
YIQ	91.3430, -107.0150, 17.6330

Conversions

Conversions Part 2

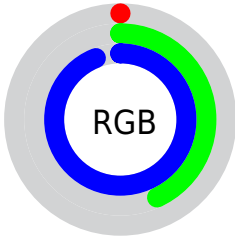
Format	Color
RYB	0, 75, 240
Decimal	28144
CIELab	48.55, 24.97, -72.61
CIELCh	49, 76.781, 288.976
Yxy	17.2285, 0.1722, 0.1400
Android (android.graphics.Color)	4278218224 (0xFF006DF0)
YUV	91.3430, 73.2879, -80.1078
Hunter-Lab	41.5072, 18.4935, -91.8486

Details

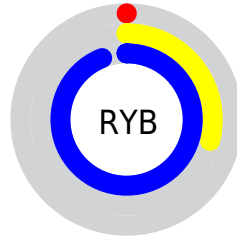
The Yxy color **17.2285, 0.1722, 0.1400** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **34.7503, 0.5295, 0.4178**, and the grayscale version is **10.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6128, 0.2146, 0.2070**, and **6.9739, 0.1641, 0.1109** is the 20% darker color. If you saturate the color by 10%, you get **17.2319, 0.1722, 0.1400**, and if you desaturate by 10%, it is **20.4324, 0.1794, 0.1588**.

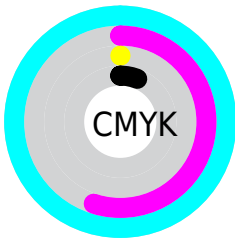
Distribution



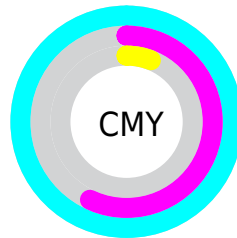
- Red (0%)
- Green (43%)
- Blue (94%)



- Red (0%)
- Yellow (29%)
- Blue (94%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (57%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2285, 0.1722, 0.1400 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 17.2285, 0.1722, 0.1400 by changing the saturation by 10% instead.

■ 17.2285, 0.1722,
0.1400

■ 17.2285, 0.1722,
0.1400

■ 236.4857, 0.2466,
0.2323

■ 10.3975, 0.1542,
0.1198

■ 38.7182, 0.1992,
0.1718

■ 5.6633, 0.1320,
0.0963

■ 54.1458, 0.2094,
0.1844

■ 2.6415, 0.1050,
0.0694

■ 73.2077, 0.2181,
0.1952

■ 0.9476, 0.0730,
0.0407

■ 96.2883, 0.2255,
0.2046

■ 0.0000, 0.0347,
0.0000

■ 123.7720, 0.2319,
0.2128

■ 0.0000, 0.0000,
0.0000

156.0432, 0.2374,

0.2201

193.4863, 0.2423,
0.2265

■ 17.2285, 0.1722,
0.1400

■ 17.2285, 0.1722,
0.1400

■ 17.2319, 0.1722,
0.1400

■ 20.4324, 0.1794,
0.1588

■ 24.3066, 0.1889,
0.1791

■ 28.9458, 0.2010,
0.2004

■ 34.4101, 0.2151,
0.2219

■ 40.7515, 0.2308,
0.2430

■ 48.0169, 0.2473,
0.2632

■ 56.2491, 0.2642,
0.2820

■ 65.4878, 0.2809,
0.2993

■ 75.7702, 0.2972,
0.3150

Harmonies

Analogous

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



17.2285, 0.1163, 0.1440



17.2285, 0.1722, 0.1400



17.2285, 0.2787, 0.1662

Triad

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



17.2285, 0.1722, 0.1400



17.2285, 0.5830, 0.3723



17.2285, 0.1771, 0.4806

Complementary

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



17.2285, 0.1722, 0.1400



34.7503, 0.5295, 0.4178

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.



17.2285, 0.2859, 0.6060



17.2285, 0.1722, 0.1400



17.2285, 0.5175, 0.4667

Square

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



17.2285, 0.1722, 0.1400



17.2285, 0.5582, 0.2929



17.2285, 0.4069, 0.5676



17.2285, 0.1134, 0.2957

Rectangle

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



17.2285, 0.1722, 0.1400



17.2285, 0.3778, 0.1998



17.2285, 0.4069, 0.5676



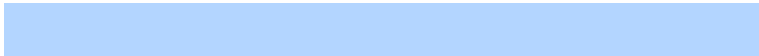
17.2285, 0.2099, 0.5397

Sweetspot

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



17.2319, 0.1722, 0.1400



64.4587, 0.2640, 0.2818



63.8748, 0.2700, 0.4920



12.9128, 0.2569, 0.2740



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.



17.2319, 0.1722, 0.1400



19.6726, 0.1721, 0.1394



6.3425, 0.1507, 0.0604



16.4115, 0.2980, 0.3158



9.6919, 0.1731, 0.1429



1.0026, 0.1800, 0.1680

Inverse Universe

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



19.6286, 0.5191, 0.2633



22.5171, 0.5198, 0.2637



79.4712, 0.4134, 0.5099



15.8783, 0.3222, 0.3183



10.7718, 0.5152, 0.2612



0.9159, 0.4831, 0.2435

Previews

White Background



This preview shows how the Yxy color 17.2285, 0.1722, 0.1400 looks on a white background.

Color Contrast Check

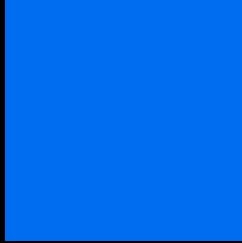
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2285, 0.1722, 0.1400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

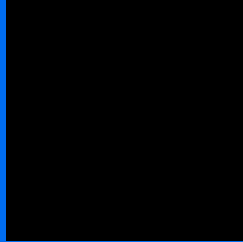
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

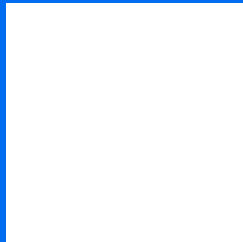
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.2285, 0.1722, 0.1400

Background



This preview shows how black text looks on a background with the Yxy color 17.2285, 0.1722, 0.1400.



This preview shows how white text looks on a background with the Yxy color 17.2285, 0.1722, 0.1400.

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

17.2285, 0.1722, 0.1400

Protanopia

17.1500, 0.1735, 0.1447

Deuteranopia

17.2211, 0.1850, 0.1859



Tritanopia

16.9280, 0.2197, 0.3109

Trichromacy



Original Color

17.2285, 0.1722, 0.1400

Protanomaly

17.2663, 0.1732, 0.1433

Deuteranomaly

17.2193, 0.1798, 0.1671

Tritanomaly

16.4501, 0.1962, 0.2264

Monochromacy



Original Color

17.2285, 0.1722, 0.1400

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.6792, 0.2186, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2285, 0.1722, 0.1400 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, 109, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 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(0, 109, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 240) }
```

Border

The CSS property to change the border of an element to Yxy 17.2285, 0.1722, 0.1400 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, 109, 240) }
```

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

```
.border{ border-color:rgb(0, 109, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2285, 0.1722, 0.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 240) }
```

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

```
.background{ background-color: rgb(0, 109,  
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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