

Converting Colors

$Yxy(17.6537, 0.1727, 0.1389)$

Have a look what the booklet for
Yxy(17.6537, 0.1727, 0.1389)
contains.

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Color

Yxy(17.7617, 0.1728, 0.1391)

Conversions

Conversions Part 1

Format	Color
Hex	0D6EF4
RGB	13, 110, 244
RGB Percent	5%, 43%, 96%
CMY	0.9503, 0.5687, 0.0431
CMYK	0.95, 0.55, 0.00, 0.04
HSL	215°, 91%, 50%
HSV	215°, 95%, 96%
XYZ	22.0649, 17.7617, 87.8636
YIQ	96.2730, -100.8260, 21.1100

Conversions

Conversions Part 2

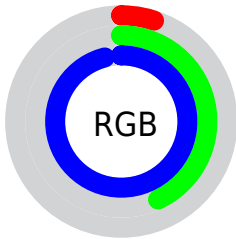
Format	Color
R_YB	13, 81, 244
Decimal	880372
CIE Lab	49.21, 26.24, -73.78
CIE LCh	49, 78.303, 289.577
Yxy	17.7617, 0.1728, 0.1391
Android (android.graphics.Color)	4279070452 (0xFF0D6EF4)
YUV	96.2730, 72.8294, -73.0304
Hunter-Lab	42.1446, 19.7007, -94.1072

Details

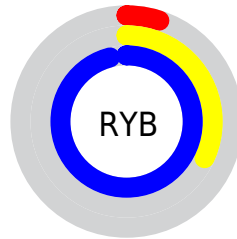
The Yxy color **17.7617, 0.1728, 0.1391** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **40.0453, 0.5115, 0.4287**, and the grayscale version is **11.5781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1545, 0.2163, 0.2087**, and **7.2546, 0.1639, 0.1101** is the 20% darker color. If you saturate the color by 10%, you get **16.1585, 0.1693, 0.1294**, and if you desaturate by 10%, it is **21.3712, 0.1813, 0.1593**.

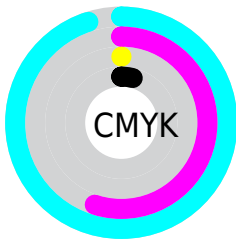
Distribution



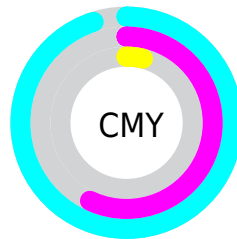
- Red (5%)
- Green (43%)
- Blue (96%)



- Red (5%)
- Yellow (32%)
- Blue (96%)



- Cyan (95%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)





- Cyan (95%)
- Magenta (57%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7617, 0.1728, 0.1391 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 17.7617, 0.1728, 0.1391 by changing the saturation by 10% instead.


 17.7617, 0.1728,
0.1391


 17.7617, 0.1728,
0.1391

239.5244, 0.2465,
0.2311


 10.7790, 0.1550,
0.1192


 39.6308, 0.1995,
0.1706


 5.9185, 0.1333,
0.0960


 55.2861, 0.2096,
0.1831

 2.7956, 0.1067,
0.0696

 74.6011, 0.2182,
0.1939

 1.0260, 0.0752,
0.0413

 97.9600, 0.2256,
0.2033

 0.0000, 0.0393,
0.0000

 125.7475, 0.2319,
0.2116

 0.0000, 0.0000,
0.0000

158.3478, 0.2374,

0.2189

196.1453, 0.2422,
0.2253

■ 17.7617, 0.1728,
0.1391

■ 17.7617, 0.1728,
0.1391

■ 16.1585, 0.1693,
0.1294

■ 21.3712, 0.1813,
0.1593

■ 25.7897, 0.1926,
0.1812

■ 31.0894, 0.2063,
0.2039

■ 37.3318, 0.2217,
0.2266

■ 44.5712, 0.2384,
0.2487

■ 52.8572, 0.2555,
0.2695

■ 62.2354, 0.2727,
0.2888

■ 72.7485, 0.2894,
0.3063

■ 84.4366, 0.3054,
0.3221

Harmonies

Analogous

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



17.7617, 0.1159, 0.1424



17.7617, 0.1728, 0.1391



17.7617, 0.2810, 0.1660

Triad

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



17.7617, 0.1728, 0.1391



17.7617, 0.5843, 0.3735



17.7617, 0.1740, 0.4783

Complementary

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



17.7617, 0.1728, 0.1391



40.0453, 0.5115, 0.4287

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.



17.7617, 0.2827, 0.6081



17.7617, 0.1728, 0.1391



17.7617, 0.5166, 0.4690

Square

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



17.7617, 0.1728, 0.1391



17.7617, 0.5620, 0.2938



17.7617, 0.4043, 0.5708



17.7617, 0.1113, 0.2920

Rectangle

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



17.7617, 0.1728, 0.1391



17.7617, 0.3814, 0.2001



17.7617, 0.4043, 0.5708



17.7617, 0.2066, 0.5389

Sweetspot

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



17.7621, 0.1728, 0.1391



65.2664, 0.2671, 0.2827



66.7993, 0.2652, 0.4719



13.0151, 0.2597, 0.2743



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.



17.7621, 0.1728, 0.1391



17.7867, 0.1692, 0.1290



7.0607, 0.1540, 0.0641



17.0721, 0.2980, 0.3149



9.0415, 0.1701, 0.1323



0.9932, 0.1769, 0.1567

Inverse Universe

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



20.6406, 0.5195, 0.2663



22.3267, 0.5341, 0.2716



81.3286, 0.4074, 0.5128



16.5982, 0.3227, 0.3191



11.0121, 0.5295, 0.2691



0.9879, 0.4972, 0.2513

Previews

White Background



This preview shows how the Yxy color 17.7617, 0.1728, 0.1391 looks on a white background.

Color Contrast Check

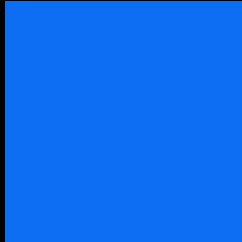
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7617, 0.1728, 0.1391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

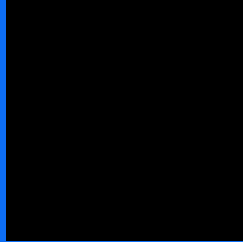
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

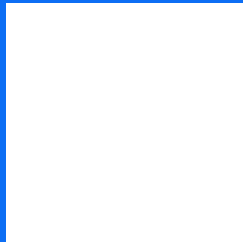
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7617, 0.1728, 0.1391

Background



This preview shows how black text looks on a background with the Yxy color 17.7617, 0.1728, 0.1391.



This preview shows how white text looks on a background with the Yxy color 17.7617, 0.1728, 0.1391.

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

17.7691, 0.1728, 0.1392

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.6014, 0.1846, 0.1844



Tritanopia

17.5067, 0.2198, 0.3111

Trichromacy



Original Color

17.7691, 0.1728, 0.1392

Protanomaly

17.6924, 0.1733, 0.1428

Deuteranomaly

17.6375, 0.1799, 0.1662

Tritanomaly

17.0859, 0.1967, 0.2262

Monochromacy



Original Color

17.7691, 0.1728, 0.1392

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.6676, 0.2226, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7617, 0.1728, 0.1391 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(13, 110, 244)` looks like.

```
.text, #text, p{  
    color:rgb(13, 110, 244)  
}
```

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(13, 110, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 110, 244) }
```

Border

The CSS property to change the border of an element to Yxy 17.7617, 0.1728, 0.1391 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(13, 110, 244) }
```

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

```
.border{ border-color:rgb(13, 110, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 110, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 110, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 110, 244);  
box-shadow:4px 4px 4px 4px rgb(13, 110,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7617, 0.1728, 0.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 110, 244) }
```

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

```
.background{ background-color: rgb(13, 110,  
244) }
```

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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