

Converting Colors

$Y_{xy}(15.3769, 0.1718, 0.1349)$

Have a look what the booklet for
Yxy(15.3769, 0.1718, 0.1349)
contains.

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Color

Yxy(15.2761, 0.1716, 0.1342)

Conversions

Conversions Part 1

Format	Color
Hex	0D65E9
RGB	13, 101, 233
RGB Percent	5%, 40%, 91%
CMY	0.9474, 0.6040, 0.0862
CMYK	0.94, 0.57, 0.00, 0.09
HSL	216°, 89%, 48%
HSV	216°, 94%, 91%
XYZ	19.5334, 15.2761, 79.0214
YIQ	89.7360, -94.8200, 22.3960

Conversions

Conversions Part 2

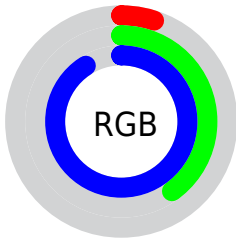
Format	Color
RYB	13, 76, 233
Decimal	878057
CIELab	46.01, 27.78, -72.82
CIELCh	46, 77.937, 290.881
Yxy	15.2761, 0.1716, 0.1342
Android (android.graphics.Color)	4279068137 (0xFF0D65E9)
YUV	89.7360, 70.6292, -67.2975
Hunter-Lab	39.0847, 20.8110, -92.5133

Details

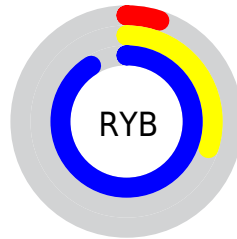
The Yxy color **15.2761, 0.1716, 0.1342** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **37.7444, 0.5044, 0.4339**, and the grayscale version is **10.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6682, 0.2125, 0.1953**, and **5.9629, 0.1624, 0.1047** is the 20% darker color. If you saturate the color by 10%, you get **13.6982, 0.1676, 0.1233**, and if you desaturate by 10%, it is **18.5315, 0.1804, 0.1549**.

Distribution



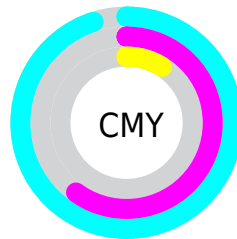
- Red (5%)
- Green (40%)
- Blue (91%)



- Red (5%)
- Yellow (30%)
- Blue (91%)



- Cyan (94%)
- Magenta (57%)
- Yellow (0%)
- Black (9%)





- Cyan (95%)
- Magenta (60%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2761, 0.1716, 0.1342 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 15.2761, 0.1716, 0.1342 by changing the saturation by 10% instead.


 15.2761, 0.1716,
0.1342


 15.2761, 0.1716,
0.1342


225.0314, 0.2476,
0.2300


 9.0134, 0.1529,
0.1133


 35.3368, 0.1995,
0.1673


 4.7499, 0.1298,
0.0890


 49.9036, 0.2100,
0.1803


 2.1013, 0.1015,
0.0616

 68.0072, 0.2188,
0.1915

 0.6654, 0.0682,
0.0324

 90.0320, 0.2263,
0.2013

 0.0000, 0.0227,
0.0000

 116.3625, 0.2328,
0.2099

 0.0000, 0.0000,
0.0000

147.3829, 0.2384,

0.2174

183.4777, 0.2433,
0.2240

■ 15.2761, 0.1716,
0.1342

■ 15.2761, 0.1716,
0.1342

■ 13.6982, 0.1676,
0.1233

■ 18.5315, 0.1804,
0.1549

■ 22.5459, 0.1921,
0.1773

■ 27.3857, 0.2062,
0.2007

■ 33.1072, 0.2221,
0.2242

■ 39.7609, 0.2390,
0.2470

■ 47.3928, 0.2563,
0.2685

■ 56.0454, 0.2736,
0.2884

■ 65.7582, 0.2903,
0.3065

■ 76.5688, 0.3062,
0.3227

Harmonies

Analogous

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



15.2761, 0.1120, 0.1358



15.2761, 0.1716, 0.1342



15.2761, 0.2854, 0.1629

Triad

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



15.2761, 0.1716, 0.1342



15.2761, 0.5915, 0.3750



15.2761, 0.1637, 0.4770

Complementary

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



15.2761, 0.1716, 0.1342



37.7444, 0.5044, 0.4339

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.



15.2761, 0.2732, 0.6204



15.2761, 0.1716, 0.1342



15.2761, 0.5185, 0.4764

Square

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



15.2761, 0.1716, 0.1342



15.2761, 0.5760, 0.2941



15.2761, 0.3991, 0.5836



15.2761, 0.1033, 0.2822

Rectangle

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



15.2761, 0.1716, 0.1342



15.2761, 0.3912, 0.1983



15.2761, 0.3991, 0.5836



15.2761, 0.1963, 0.5430

Sweetspot

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



15.2765, 0.1716, 0.1342



64.4836, 0.2669, 0.2809



60.4253, 0.2618, 0.4593



12.8294, 0.2594, 0.2722



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.



15.2765, 0.1716, 0.1342



16.6605, 0.1674, 0.1225



6.5465, 0.1562, 0.0657



15.5346, 0.2980, 0.3144



7.9982, 0.1684, 0.1262



0.8115, 0.1760, 0.1536

Inverse Universe

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



18.5640, 0.5259, 0.2704



22.2130, 0.5432, 0.2766



72.1741, 0.4017, 0.5169



15.1536, 0.3230, 0.3196



10.3002, 0.5380, 0.2737



0.8273, 0.5013, 0.2535

Previews

White Background



This preview shows how the Yxy color 15.2761, 0.1716, 0.1342 looks on a white background.

Color Contrast Check

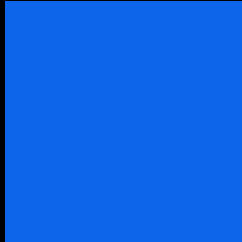
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2761, 0.1716, 0.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

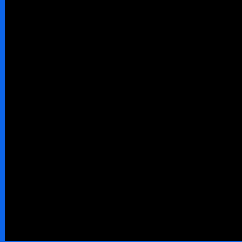
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2761, 0.1716, 0.1342

Background



This preview shows how black text looks on a background with the Yxy color 15.2761, 0.1716, 0.1342.



This preview shows how white text looks on a background with the Yxy color 15.2761, 0.1716, 0.1342.

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

15.2761, 0.1716, 0.1342

Protanopia

15.1211, 0.1739, 0.1461

Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.2761, 0.1716, 0.1342

Protanomaly

15.1690, 0.1732, 0.1420

Tritanomaly

14.5957, 0.1957, 0.2223

Monochromacy



Original Color

15.2761, 0.1716, 0.1342

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.9825, 0.2219, 0.2242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2761, 0.1716, 0.1342 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, 101, 233)` looks like.

```
.text, #text, p{  
    color:rgb(13, 101, 233)  
}
```

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, 101, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 101, 233) }
```

Border

The CSS property to change the border of an element to Yxy 15.2761, 0.1716, 0.1342 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, 101, 233) }
```

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

```
.border{ border-color:rgb(13, 101, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 101, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 101, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 101, 233);  
box-shadow:4px 4px 4px 4px rgb(13, 101,  
233) }
```

Background

The CSS property to change the background color of an element to Yxy 15.2761, 0.1716, 0.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 101, 233) }
```

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

```
.background{ background-color: rgb(13, 101,  
233) }
```

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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