

Converting Colors

$Yxy(15.6870, 0.1729, 0.1337)$

Have a look what the booklet for
Yxy(15.6870, 0.1729, 0.1337)
contains.

Yxy(15.5831, 0.1727, 0.1331)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(15.5831, 0.1727, 0.1331)$

Conversions

Conversions Part 1

Format	Color
Hex	1A65EC
RGB	26, 101, 236
RGB Percent	10%, 40%, 93%
CMY	0.8973, 0.6039, 0.0746
CMYK	0.89, 0.57, 0.00, 0.07
HSL	219°, 85%, 51%
HSV	219°, 89%, 93%
XYZ	20.2194, 15.5831, 81.2756
YIQ	93.9650, -88.0350, 26.0850

Conversions

Conversions Part 2

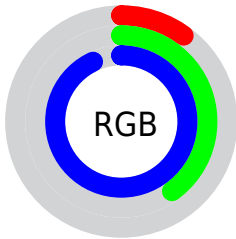
Format	Color
R _Y B	26, 81, 236
Decimal	1730028
CIE Lab	46.42, 29.42, -73.80
CIE LCh	46, 79.446, 291.731
Yxy	15.5831, 0.1727, 0.1331
Android (android.graphics.Color)	4279920108 (0xFF1A65EC)
YUV	93.9650, 70.0233, -59.6053
Hunter-Lab	39.4754, 22.3460, -94.4389

Details

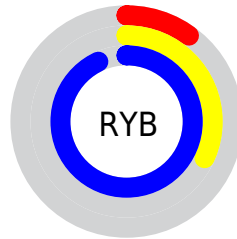
The Yxy color **15.5831, 0.1727, 0.1331** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **43.4483, 0.4858, 0.4440**, and the grayscale version is **11.0450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9306, 0.2146, 0.1960**, and **6.0830, 0.1620, 0.1032** is the 20% darker color. If you saturate the color by 10%, you get **12.6973, 0.1650, 0.1134**, and if you desaturate by 10%, it is **19.2594, 0.1834, 0.1555**.

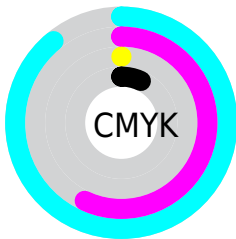
Distribution



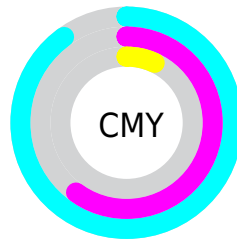
- Red (10%)
- Green (40%)
- Blue (93%)



- Red (10%)
- Yellow (32%)
- Blue (93%)



- Cyan (89%)
- Magenta (57%)
- Yellow (0%)
- Black (7%)



- Cyan (90%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5831, 0.1727, 0.1331 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 15.5831, 0.1727, 0.1331 by changing the saturation by 10% instead.

■ 15.5831, 0.1727,
0.1331

■ 15.5831, 0.1727,
0.1331

226.8689, 0.2479,
0.2287

■ 9.2296, 0.1542,
0.1124

■ 35.8729, 0.2003,
0.1660

■ 4.8913, 0.1314,
0.0884

■ 50.5781, 0.2106,
0.1790

■ 2.1836, 0.1035,
0.0614

■ 68.8359, 0.2194,
0.1902

■ 0.7110, 0.0706,
0.0329

■ 91.0308, 0.2268,
0.2000

■ 0.0000, 0.0283,
0.0000

■ 117.5471, 0.2332,
0.2085

■ 0.0000, 0.0000,
0.0000

148.7693, 0.2388,

0.2161

185.0818, 0.2437,
0.2228

■ 15.5831, 0.1727,
0.1331

■ 15.5831, 0.1727,
0.1331

■ 12.6973, 0.1650,
0.1134

■ 19.2594, 0.1834,
0.1555

■ 12.4183, 0.1643,
0.1114

■ 23.8158, 0.1969,
0.1798

■ 29.3205, 0.2126,
0.2048

■ 35.8329, 0.2297,
0.2297

■ 43.4071, 0.2474,
0.2535

■ 52.0927, 0.2652,
0.2757

■ 61.9358, 0.2825,
0.2961

■ 72.9799, 0.2989,
0.3144

■ 85.2659, 0.3144,
0.3307

Harmonies

Analogous

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



15.5831, 0.1116, 0.1337



15.5831, 0.1727, 0.1331



15.5831, 0.2891, 0.1627

Triad

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



15.5831, 0.1727, 0.1331



15.5831, 0.5927, 0.3768



15.5831, 0.1594, 0.4729

Complementary

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



15.5831, 0.1727, 0.1331



43.4483, 0.4858, 0.4440

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.



15.5831, 0.2684, 0.6231



15.5831, 0.1727, 0.1331



15.5831, 0.5169, 0.4800

Square

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



15.5831, 0.1727, 0.1331



15.5831, 0.5811, 0.2955



15.5831, 0.3951, 0.5884



15.5831, 0.1006, 0.2769

Rectangle

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



15.5831, 0.1727, 0.1331



15.5831, 0.3968, 0.1989



15.5831, 0.3951, 0.5884



15.5831, 0.1916, 0.5410

Sweetspot

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



15.5835, 0.1727, 0.1331



64.1189, 0.2683, 0.2795



62.7005, 0.2576, 0.4404



12.9131, 0.2623, 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.



15.5835, 0.1727, 0.1331



14.6913, 0.1641, 0.1107



7.5901, 0.1630, 0.0726



15.4280, 0.2980, 0.3134



7.0691, 0.1651, 0.1143



0.7312, 0.1728, 0.1420

Inverse Universe

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



19.5143, 0.5259, 0.2751



22.0142, 0.5601, 0.2859



73.4587, 0.3961, 0.5179



15.1428, 0.3237, 0.3206



10.2064, 0.5548, 0.2830



0.8192, 0.5165, 0.2619

Previews

White Background



This preview shows how the Yxy color 15.5831, 0.1727, 0.1331 looks on a white background.

Color Contrast Check

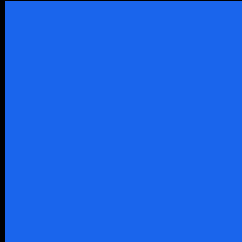
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5831, 0.1727, 0.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

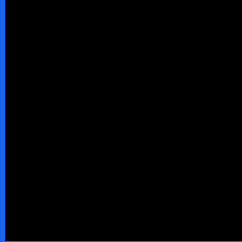
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

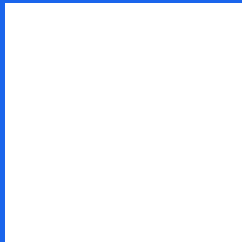
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.5831, 0.1727, 0.1331

Background



This preview shows how black text looks on a background with the Yxy color 15.5831, 0.1727, 0.1331.



This preview shows how white text looks on a background with the Yxy color 15.5831, 0.1727, 0.1331.

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

15.5831, 0.1727, 0.1331

Protanopia

15.4309, 0.1739, 0.1461

Deuteranopia

15.3941, 0.1850, 0.1861



Tritanopia

15.2597, 0.2195, 0.3101

Trichromacy



Original Color

15.5831, 0.1727, 0.1331

Protanomaly

15.5666, 0.1734, 0.1415

Deuteranomaly

15.3437, 0.1796, 0.1633

Tritanomaly

14.9263, 0.1961, 0.2216

Monochromacy



Original Color

15.5831, 0.1727, 0.1331

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.8899, 0.2263, 0.2258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5831, 0.1727, 0.1331 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(26, 101, 236)` looks like.

```
.text, #text, p{  
    color:rgb(26, 101, 236)  
}
```

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(26, 101, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 101, 236) }
```

Border

The CSS property to change the border of an element to Yxy 15.5831, 0.1727, 0.1331 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(26, 101, 236) }
```

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

```
.border{ border-color:rgb(26, 101, 236) }
```

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

Here you see how a box with a 4 pixel rgb(26, 101, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 101, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 101, 236);  
box-shadow:4px 4px 4px 4px rgb(26, 101,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5831, 0.1727, 0.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 101, 236) }
```

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

```
.background{ background-color: rgb(26, 101,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor