

Converting Colors

$Yxy(15.6635, 0.1720, 0.1157)$

Have a look what the booklet for
Yxy(15.6635, 0.1720, 0.1157)
contains.

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Color

Yxy(15.5781, 0.1719, 0.1152)

Conversions

Conversions Part 1

Format	Color
Hex	335CFF
RGB	51, 92, 255
RGB Percent	20%, 36%, 100%
CMY	0.7998, 0.6393, 0.0000
CMYK	0.80, 0.64, 0.00, 0.00
HSL	228°, 100%, 60%
HSV	228°, 80%, 100%
XYZ	23.2454, 15.5781, 96.4030
YIQ	98.3230, -76.7590, 42.0010

Conversions

Conversions Part 2

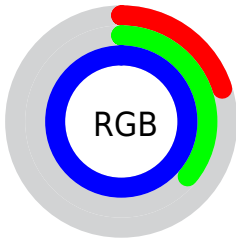
Format	Color
R _Y B	51, 85, 255
Decimal	3366143
CIE Lab	46.42, 43.65, -84.43
CIE LCh	46, 95.047, 297.337
Yxy	15.5781, 0.1719, 0.1152
Android (android.graphics.Color)	4281556223 (0xFF335CFF)
YUV	98.3230, 77.2418, -41.5023
Hunter-Lab	39.4691, 36.0572, -117.1871

Details

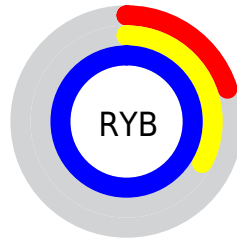
The Yxy color **15.5781, 0.1719, 0.1152** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **69.6210, 0.4434, 0.4684**, and the grayscale version is **12.1191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3118, 0.2212, 0.1876**, and **6.0642, 0.1572, 0.0859** is the 20% darker color. If you saturate the color by 10%, you get **12.0179, 0.1614, 0.0934**, and if you desaturate by 10%, it is **20.4490, 0.1862, 0.1415**.

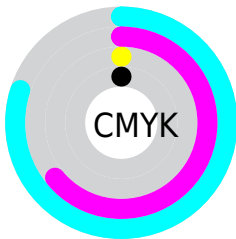
Distribution



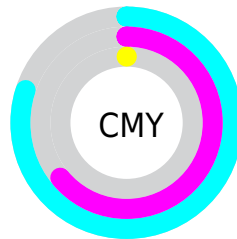
- Red (20%)
- Green (36%)
- Blue (100%)



- Red (20%)
- Yellow (33%)
- Blue (100%)



- Cyan (80%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5781, 0.1719, 0.1152 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 15.5781, 0.1719, 0.1152 by changing the saturation by 10% instead.


 15.5781, 0.1719,
0.1152


 15.5781, 0.1719,
0.1152


226.8391, 0.2471,
0.2144


 9.2261, 0.1539,
0.0953


 35.8642, 0.1991,
0.1480


 4.8890, 0.1319,
0.0730


 50.5671, 0.2095,
0.1614

 2.1823, 0.1054,
0.0491

 68.8224, 0.2183,
0.1731

 0.7103, 0.0745,
0.0252

 91.0145, 0.2258,
0.1834

 0.0000, 0.0409,
0.0000

 117.5279, 0.2322,
0.1925

 0.0000, 0.0000,
0.0000

148.7468, 0.2379,

0.2006

185.0558, 0.2428,
0.2079

■ 15.5781, 0.1719,
0.1152

■ 15.5781, 0.1719,
0.1152

■ 12.0179, 0.1614,
0.0934

■ 20.4490, 0.1862,
0.1415

■ 9.6078, 0.1548,
0.0773

■ 26.7543, 0.2035,
0.1707

■ 9.6044, 0.1548,
0.0773

■ 34.5996, 0.2224,
0.2010

■ 44.0808, 0.2421,
0.2308

■ 55.2857, 0.2615,
0.2590

■ 68.2958, 0.2799,
0.2850

■ 83.1872, 0.2971,
0.3084

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



15.5781, 0.0987, 0.1091



15.5781, 0.1719, 0.1152



15.5781, 0.3154, 0.1519

Triad

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



15.5781, 0.1719, 0.1152



15.5781, 0.6160, 0.3840



15.5781, 0.1161, 0.4509

Complementary

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



15.5781, 0.1719, 0.1152



69.6210, 0.4434, 0.4684

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.



15.5781, 0.2219, 0.6731



15.5781, 0.1719, 0.1152



15.5781, 0.4995, 0.5005

Square

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



15.5781, 0.1719, 0.1152



15.5781, 0.6369, 0.2955



15.5781, 0.3585, 0.6415



15.5781, 0.0709, 0.2309

Rectangle

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



15.5781, 0.1719, 0.1152



15.5781, 0.4476, 0.1937



15.5781, 0.3585, 0.6415



15.5781, 0.1455, 0.5440

Sweetspot

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



15.5773, 0.1719, 0.1152



62.8468, 0.2727, 0.2749



76.9186, 0.2449, 0.3855



12.4710, 0.2660, 0.2655



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.



15.5773, 0.1719, 0.1152



10.4492, 0.1571, 0.0831



12.8322, 0.1903, 0.0957



17.9681, 0.2979, 0.3094



5.1841, 0.1554, 0.0795



0.6500, 0.1607, 0.0986

Inverse Universe

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



24.4041, 0.5459, 0.3003



21.8008, 0.6011, 0.3109



83.6585, 0.3732, 0.5253



18.0467, 0.3263, 0.3243



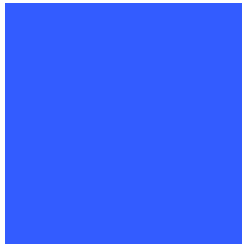
11.2513, 0.6078, 0.3122



1.1102, 0.5780, 0.2958

Previews

White Background



This preview shows how the Yxy color 15.5781, 0.1719, 0.1152 looks on a white background.

Color Contrast Check

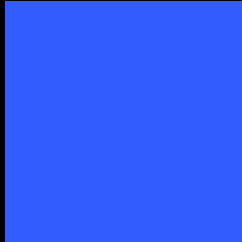
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5781, 0.1719, 0.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

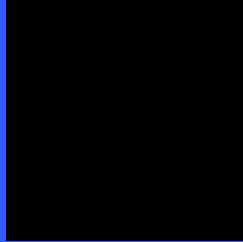
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5781, 0.1719, 0.1152

Background



This preview shows how black text looks on a background with the Yxy color 15.5781, 0.1719, 0.1152.



This preview shows how white text looks on a background with the Yxy color 15.5781, 0.1719, 0.1152.

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

15.5781, 0.1719, 0.1152

Protanopia

15.3771, 0.1741, 0.1468

Deuteranopia

15.3060, 0.1857, 0.1883



Tritanopia

15.2333, 0.2201, 0.3124

Trichromacy



Original Color

15.5781, 0.1719, 0.1152

Protanomaly

15.1933, 0.1717, 0.1326

Deuteranomaly

15.0966, 0.1778, 0.1538

Tritanomaly

14.3463, 0.1928, 0.2051

Monochromacy



Original Color

15.5781, 0.1719, 0.1152

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4816, 0.2299, 0.2127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5781, 0.1719, 0.1152 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(51, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 92, 255)  
}
```

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(51, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 92, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.5781, 0.1719, 0.1152 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(51, 92, 255) }
```

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

```
.border{ border-color:rgb(51, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 92,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5781, 0.1719, 0.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 92, 255) }
```

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

```
.background{ background-color: rgb(51, 92,  
255) }
```

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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