

Converting Colors

$Y_{xy}(19.0689, 0.1772, 0.1352)$

Have a look what the booklet for
Yxy(19.0689, 0.1772, 0.1352)
contains.

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Color

Yxy(19.0757, 0.1772, 0.1353)

Conversions

Conversions Part 1

Format	Color
Hex	336EFF
RGB	51, 110, 255
RGB Percent	20%, 43%, 100%
CMY	0.8001, 0.5685, 0.0002
CMYK	0.80, 0.57, 0.00, 0.00
HSL	223°, 100%, 60%
HSV	223°, 80%, 100%
XYZ	24.9831, 19.0757, 96.9294
YIQ	108.8890, -81.7090, 32.5870

Conversions

Conversions Part 2

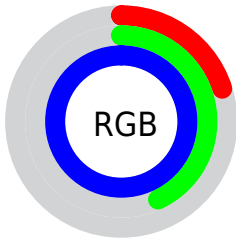
Format	Color
R_{YB}	51, 97, 255
Decimal	3370751
CIE _{Lab}	50.78, 32.46, -77.27
CIE _{LCh}	51, 83.807, 292.788
Yxy	19.0757, 0.1772, 0.1353
Android (android.graphics.Color)	4281560831 (0xFF336EFF)
YUV	108.8890, 72.0327, -50.7687
Hunter-Lab	43.6757, 25.6718, -101.0090

Details

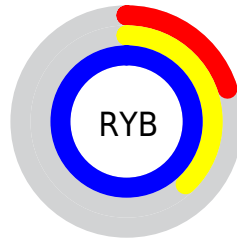
The Yxy color **19.0757, 0.1772, 0.1353** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **60.9283, 0.4589, 0.4543**, and the grayscale version is **15.0699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3769, 0.2252, 0.2112**, and **7.6980, 0.1625, 0.1050** is the 20% darker color. If you saturate the color by 10%, you get **15.0674, 0.1667, 0.1127**, and if you desaturate by 10%, it is **24.2464, 0.1910, 0.1608**.

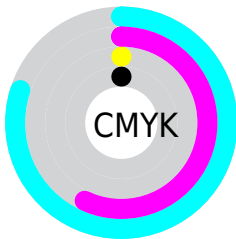
Distribution



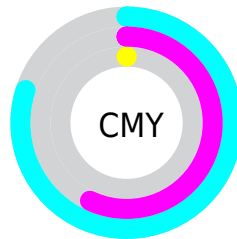
- Red (20%)
- Green (43%)
- Blue (100%)



- Red (20%)
- Yellow (38%)
- Blue (100%)



- Cyan (80%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0757, 0.1772, 0.1353 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 19.0757, 0.1772, 0.1353 by changing the saturation by 10% instead.

■ 19.0757, 0.1772,
0.1353

■ 19.0757, 0.1772,
0.1353

246.8664, 0.2482,
0.2268

■ 11.7250, 0.1602,
0.1160

■ 41.8620, 0.2028,
0.1662

■ 6.5567, 0.1395,
0.0938

■ 58.0663, 0.2125,
0.1786

■ 3.1865, 0.1142,
0.0687

■ 77.9907, 0.2208,
0.1893

■ 1.2298, 0.0840,
0.0420

■ 102.0194, 0.2279,
0.1987

■ 0.0859, 0.0507,
0.0050

130.5370, 0.2340,
0.2070

■ 0.0000, 0.0000,
0.0000

163.9277, 0.2393,

0.2144

202.5761, 0.2440,
0.2209

■ 19.0757, 0.1772,
0.1353

■ 19.0757, 0.1772,
0.1353

■ 15.0674, 0.1667,
0.1127

■ 24.2464, 0.1910,
0.1608

■ 12.0870, 0.1595,
0.0941

■ 30.6748, 0.2073,
0.1879

■ 38.4466, 0.2252,
0.2154

■ 47.6384, 0.2438,
0.2420

■ 58.3210, 0.2623,
0.2670

■ 70.5598, 0.2802,
0.2900

■ 84.4163, 0.2971,
0.3106

99.9485, 0.3127,
0.3290

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



19.0757, 0.1147, 0.1349



19.0757, 0.1772, 0.1353



19.0757, 0.2947, 0.1658

Triad

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



19.0757, 0.1772, 0.1353



19.0757, 0.5886, 0.3807



19.0757, 0.1583, 0.4633

Complementary

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



19.0757, 0.1772, 0.1353



60.9283, 0.4589, 0.4543

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.



19.0757, 0.2656, 0.6166



19.0757, 0.1772, 0.1353



19.0757, 0.5102, 0.4820

Square

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



19.0757, 0.1772, 0.1353



19.0757, 0.5803, 0.2991



19.0757, 0.3901, 0.5877



19.0757, 0.1015, 0.2728

Rectangle

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



19.0757, 0.1772, 0.1353



19.0757, 0.4018, 0.2025



19.0757, 0.3901, 0.5877



19.0757, 0.1898, 0.5309

Sweetspot

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



19.0762, 0.1772, 0.1353



65.5075, 0.2732, 0.2811



76.0749, 0.2517, 0.4090



13.0971, 0.2668, 0.2728



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.



19.0762, 0.1772, 0.1353



13.1793, 0.1621, 0.1011



11.8464, 0.1802, 0.0904



18.2342, 0.2979, 0.3116



6.5391, 0.1603, 0.0969



0.8148, 0.1663, 0.1186

Inverse Universe

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



24.7425, 0.5191, 0.2840



22.0764, 0.5734, 0.2955



86.0458, 0.3850, 0.5167



18.0735, 0.3249, 0.3221



11.3881, 0.5806, 0.2972



1.1268, 0.5486, 0.2796

Previews

White Background



This preview shows how the Yxy color 19.0757, 0.1772, 0.1353 looks on a white background.

Color Contrast Check

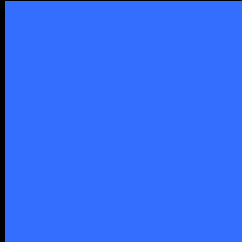
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.0757, 0.1772, 0.1353 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

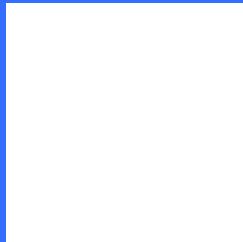
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.0757, 0.1772, 0.1353

Background



This preview shows how black text looks on a background with the Yxy color 19.0757, 0.1772, 0.1353.



This preview shows how white text looks on a background with the Yxy color 19.0757, 0.1772, 0.1353.

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

19.0757, 0.1772, 0.1353

Protanopia

18.8540, 0.1735, 0.1447

Deuteranopia

18.8691, 0.1847, 0.1850



Tritanopia

18.7281, 0.2193, 0.3095

Trichromacy



Original Color

19.0757, 0.1772, 0.1353

Protanomaly

18.7883, 0.1736, 0.1401

Deuteranomaly

18.6414, 0.1801, 0.1629

Tritanomaly

18.2246, 0.1973, 0.2227

Monochromacy



Original Color

19.0757, 0.1772, 0.1353

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.6206, 0.2355, 0.2298

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0757, 0.1772, 0.1353 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, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 110, 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, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.0757, 0.1772, 0.1353 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, 110, 255) }
```

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

```
.border{ border-color:rgb(51, 110, 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, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0757, 0.1772, 0.1353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 110, 255) }
```

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

```
.background{ background-color: rgb(51, 110,  
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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