

Converting Colors

$Y_{xy}(16.7945, 0.1737, 0.1229)$

Have a look what the booklet for
Yxy(16.7945, 0.1737, 0.1229)
contains.

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Color

Yxy(16.7575, 0.1738, 0.1231)

Conversions

Conversions Part 1

Format	Color
Hex	3263FE
RGB	50, 99, 254
RGB Percent	20%, 39%, 100%
CMY	0.8040, 0.6117, 0.0041
CMYK	0.80, 0.61, 0.00, 0.00
HSL	226°, 99%, 60%
HSV	226°, 80%, 100%
XYZ	23.6592, 16.7575, 95.7124
YIQ	102.0190, -78.9590, 37.8170

Conversions

Conversions Part 2

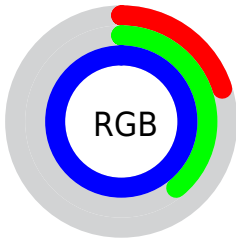
Format	Color
R_{YB}	50, 90, 254
Decimal	3302398
CIE _{Lab}	47.95, 38.87, -81.32
CIE _{LCh}	48, 90.134, 295.545
Yxy	16.7575, 0.1738, 0.1231
Android (android.graphics.Color)	4281492478 (0xFF3263FE)
YUV	102.0190, 74.9266, -45.6207
Hunter-Lab	40.9359, 31.5276, -109.9710

Details

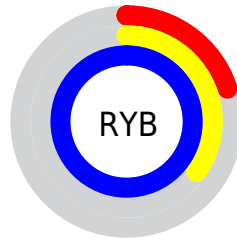
The Yxy color **16.7575, 0.1738, 0.1231** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **64.9170, 0.4505, 0.4625**, and the grayscale version is **13.1097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3820, 0.2223, 0.1960**, and **6.5317, 0.1590, 0.0924** is the 20% darker color. If you saturate the color by 10%, you get **13.0519, 0.1633, 0.1009**, and if you desaturate by 10%, it is **21.6941, 0.1878, 0.1491**.

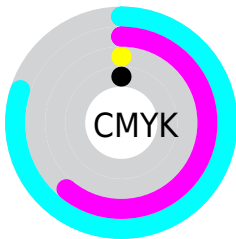
Distribution



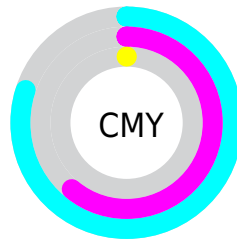
- Red (20%)
- Green (39%)
- Blue (100%)



- Red (20%)
- Yellow (35%)
- Blue (100%)



- Cyan (80%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7575, 0.1738, 0.1231 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 16.7575, 0.1738, 0.1231 by changing the saturation by 10% instead.


 16.7575, 0.1738,
0.1231


 16.7575, 0.1738,
0.1231


233.7710, 0.2475,
0.2195


 10.0617, 0.1561,
0.1033


 37.9084, 0.2005,
0.1553


 5.4399, 0.1345,
0.0809


 53.1323, 0.2106,
0.1683

 2.5076, 0.1084,
0.0563

 71.9677, 0.2192,
0.1797

 0.8804, 0.0775,
0.0313

 94.7990, 0.2266,
0.1897

 0.0000, 0.0440,
0.0000

122.0105, 0.2329,
0.1985

 0.0000, 0.0000,
0.0000

153.9868, 0.2384,

0.2063

191.1122, 0.2432,
0.2133

■ 16.7575, 0.1738,
0.1231

■ 16.7575, 0.1738,
0.1231

■ 13.0519, 0.1633,
0.1009

■ 21.6941, 0.1878,
0.1491

■ 10.4952, 0.1567,
0.0841

■ 27.9692, 0.2046,
0.1774

■ 35.6786, 0.2231,
0.2065

■ 44.9085, 0.2422,
0.2349

■ 55.7376, 0.2613,
0.2618

■ 68.2394, 0.2795,
0.2865

■ 82.4823, 0.2966,
0.3087

■ 98.5310, 0.3122,
0.3284

■ 99.9327, 0.3133,
0.3300

Harmonies

Analogous

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



16.7575, 0.1049, 0.1192



16.7575, 0.1738, 0.1231



16.7575, 0.3063, 0.1575

Triad

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



16.7575, 0.1738, 0.1231



16.7575, 0.6045, 0.3822



16.7575, 0.1332, 0.4576

Complementary

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



16.7575, 0.1738, 0.1231



64.9170, 0.4505, 0.4625

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.



16.7575, 0.2406, 0.6496



16.7575, 0.1738, 0.1231



16.7575, 0.5061, 0.4939

Square

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



16.7575, 0.1738, 0.1231



16.7575, 0.6144, 0.2976



16.7575, 0.3746, 0.6219



16.7575, 0.0827, 0.2483

Rectangle

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



16.7575, 0.1738, 0.1231



16.7575, 0.4279, 0.1972



16.7575, 0.3746, 0.6219



16.7575, 0.1638, 0.5398

Sweetspot

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



16.7579, 0.1738, 0.1231



64.0246, 0.2729, 0.2776



75.8407, 0.2475, 0.3951



12.7477, 0.2664, 0.2688



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.



16.7579, 0.1738, 0.1231



11.5479, 0.1591, 0.0905



12.1985, 0.1856, 0.0928



18.0866, 0.2979, 0.3104



5.7246, 0.1574, 0.0866



0.7182, 0.1631, 0.1071

Inverse Universe

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



24.2432, 0.5354, 0.2933



21.9117, 0.5895, 0.3045



83.7742, 0.3780, 0.5223



18.0587, 0.3256, 0.3233



11.3059, 0.5965, 0.3060



1.1170, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 16.7575, 0.1738, 0.1231 looks on a white background.

Color Contrast Check

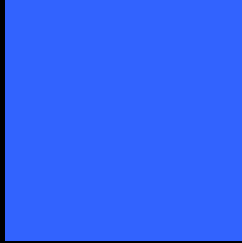
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7575, 0.1738, 0.1231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

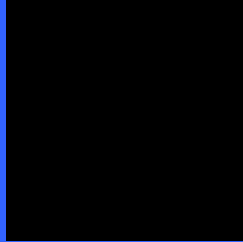
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7575, 0.1738, 0.1231

Background



This preview shows how black text looks on a background with the Yxy color 16.7575, 0.1738, 0.1231.



This preview shows how white text looks on a background with the Yxy color 16.7575, 0.1738, 0.1231.

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

16.7575, 0.1738, 0.1231

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.5220, 0.1855, 0.1878



Tritanopia

16.3607, 0.2196, 0.3106

Trichromacy



Original Color

16.7575, 0.1738, 0.1231

Protanomaly

16.4637, 0.1725, 0.1360

Deuteranomaly

16.3424, 0.1788, 0.1582

Tritanomaly

15.7937, 0.1947, 0.2131

Monochromacy



Original Color

16.7575, 0.1738, 0.1231

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.5807, 0.2321, 0.2203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7575, 0.1738, 0.1231 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(50, 99, 254)` looks like.

```
.text, #text, p{  
    color:rgb(50, 99, 254)  
}
```

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(50, 99, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 99, 254) }
```

Border

The CSS property to change the border of an element to Yxy 16.7575, 0.1738, 0.1231 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(50, 99, 254) }
```

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

```
.border{ border-color:rgb(50, 99, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 99, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 99, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 99, 254);  
box-shadow:4px 4px 4px 4px rgb(50, 99,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7575, 0.1738, 0.1231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 99, 254) }
```

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

```
.background{ background-color: rgb(50, 99,  
254) }
```

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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