

Converting Colors

$Yxy(18.3999, 0.1762, 0.1315)$

Have a look what the booklet for
Yxy(18.3999, 0.1762, 0.1315)
contains.

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Color

Yxy(18.4392, 0.1763, 0.1317)

Conversions

Conversions Part 1

Format	Color
Hex	336BFF
RGB	51, 107, 255
RGB Percent	20%, 42%, 100%
CMY	0.7991, 0.5805, 0.0000
CMYK	0.80, 0.58, 0.00, 0.00
HSL	224°, 100%, 60%
HSV	224°, 80%, 100%
XYZ	24.6836, 18.4392, 96.8863
YIQ	107.1280, -80.8840, 34.1560

Conversions

Conversions Part 2

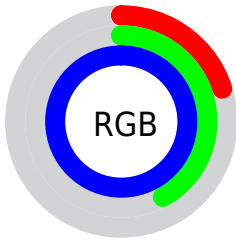
Format	Color
R_{YB}	51, 95, 255
Decimal	3369983
CIE _{Lab}	50.02, 34.41, -78.53
CIE _{LCh}	50, 85.741, 293.664
Yxy	18.4392, 0.1763, 0.1317
Android (android.graphics.Color)	4281560063 (0xFF336BFF)
YUV	107.1280, 72.9009, -49.2243
Hunter-Lab	42.9409, 27.4602, -103.7157

Details

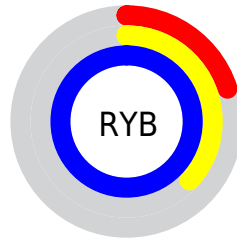
The Yxy color **18.4392, 0.1763, 0.1317** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **62.4645, 0.4559, 0.4569**, and the grayscale version is **14.5651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3408, 0.2245, 0.2074**, and **7.3687, 0.1615, 0.1013** is the 20% darker color. If you saturate the color by 10%, you get **14.4883, 0.1657, 0.1092**, and if you desaturate by 10%, it is **23.5780, 0.1902, 0.1575**.

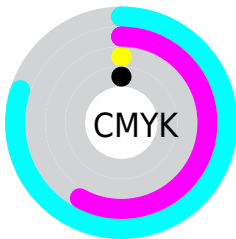
Distribution



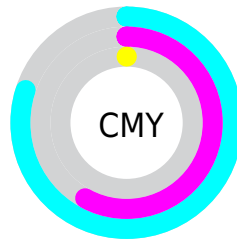
- Red (20%)
- Green (42%)
- Blue (100%)



- Red (20%)
- Yellow (37%)
- Blue (100%)



- Cyan (80%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4392, 0.1763, 0.1317 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 18.4392, 0.1763, 0.1317 by changing the saturation by 10% instead.


 18.4392, 0.1763,
0.1317


 18.4392, 0.1763,
0.1317


243.3351, 0.2480,
0.2246


 11.2658, 0.1592,
0.1123


 40.7843, 0.2021,
0.1630

 6.2459, 0.1382,
0.0900


 56.7248, 0.2120,
0.1755

 2.9952, 0.1127,
0.0650

 76.3563, 0.2204,
0.1865

 1.1292, 0.0823,
0.0388

 100.0635, 0.2275,
0.1960

 0.0027, 0.0492,
0.0002

128.2305, 0.2337,
0.2045

 0.0000, 0.0000,
0.0000

161.2419, 0.2391,

0.2120

199.4819, 0.2438,
0.2186

■ 18.4392, 0.1763,
0.1317

■ 18.4392, 0.1763,
0.1317

■ 14.4883, 0.1657,
0.1092

■ 23.5780, 0.1902,
0.1575

■ 11.5916, 0.1586,
0.0908

■ 30.0088, 0.2068,
0.1850

■ 11.5702, 0.1585,
0.0907

■ 37.8186, 0.2249,
0.2130

■ 47.0873, 0.2437,
0.2402

■ 57.8882, 0.2623,
0.2658

■ 70.2893, 0.2803,
0.2893

■ 84.3544, 0.2972,
0.3104

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.



18.4392, 0.1118, 0.1302



18.4392, 0.1763, 0.1317



18.4392, 0.2981, 0.1635

Triad

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



18.4392, 0.1763, 0.1317



18.4392, 0.5934, 0.3814



18.4392, 0.1509, 0.4617

Complementary

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



18.4392, 0.1763, 0.1317



62.4645, 0.4559, 0.4569

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.



18.4392, 0.2584, 0.6259



18.4392, 0.1763, 0.1317



18.4392, 0.5109, 0.4872

Square

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



18.4392, 0.1763, 0.1317



18.4392, 0.5904, 0.2990



18.4392, 0.3855, 0.5970



18.4392, 0.0958, 0.2656

Rectangle

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



18.4392, 0.1763, 0.1317



18.4392, 0.4094, 0.2010



18.4392, 0.3855, 0.5970



18.4392, 0.1822, 0.5335

Sweetspot

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



18.4380, 0.1763, 0.1317



65.0242, 0.2731, 0.2800



76.2728, 0.2503, 0.4041



12.9831, 0.2666, 0.2715



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.



18.4380, 0.1763, 0.1317



12.6172, 0.1611, 0.0975



12.0598, 0.1822, 0.0915



18.1863, 0.2979, 0.3112



6.2572, 0.1593, 0.0934



0.7820, 0.1652, 0.1148

Inverse Universe

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



24.7078, 0.5237, 0.2870



22.0196, 0.5788, 0.2985



85.5874, 0.3827, 0.5183



18.0687, 0.3251, 0.3225



11.3596, 0.5860, 0.3002



1.1235, 0.5541, 0.2826

Previews

White Background



This preview shows how the Yxy color 18.4392, 0.1763, 0.1317 looks on a white background.

Color Contrast Check

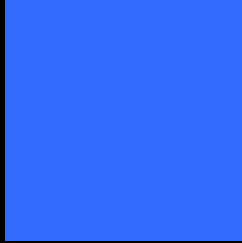
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4392, 0.1763, 0.1317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

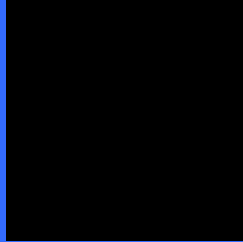
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4392, 0.1763, 0.1317

Background



This preview shows how black text looks on a background with the Yxy color 18.4392, 0.1763, 0.1317.



This preview shows how white text looks on a background with the Yxy color 18.4392, 0.1763, 0.1317.

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

18.4392, 0.1763, 0.1317

Protanopia

18.3855, 0.1739, 0.1460

Deuteranopia

18.1797, 0.1849, 0.1858



Tritanopia

18.1260, 0.2193, 0.3093

Trichromacy



Original Color

18.4392, 0.1763, 0.1317

Protanomaly

18.1611, 0.1734, 0.1394

Deuteranomaly

18.0110, 0.1800, 0.1624

Tritanomaly

17.4349, 0.1961, 0.2182

Monochromacy



Original Color

18.4392, 0.1763, 0.1317

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.1148, 0.2347, 0.2271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4392, 0.1763, 0.1317 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, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 107, 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, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.4392, 0.1763, 0.1317 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, 107, 255) }
```

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

```
.border{ border-color:rgb(51, 107, 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, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4392, 0.1763, 0.1317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 107, 255) }
```

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

```
.background{ background-color: rgb(51, 107,  
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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