

Converting Colors

$Y_{xy}(18.1086, 0.1758, 0.1299)$

Have a look what the booklet for
Yxy(18.1086, 0.1758, 0.1299)
contains.

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Color

Yxy(18.0270, 0.1757, 0.1294)

Conversions

Conversions Part 1

Format	Color
Hex	3369FF
RGB	51, 105, 255
RGB Percent	20%, 41%, 100%
CMY	0.7990, 0.5884, 0.0000
CMYK	0.80, 0.59, 0.00, 0.00
HSL	224°, 100%, 60%
HSV	224°, 80%, 100%
XYZ	24.4772, 18.0270, 96.8081
YIQ	105.9540, -80.3340, 35.2020

Conversions

Conversions Part 2

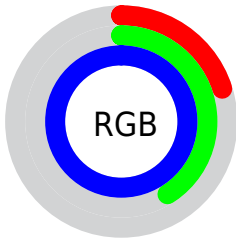
Format	Color
R _Y B	51, 94, 255
Decimal	3369471
CIE Lab	49.53, 35.66, -79.33
CIE LCh	50, 86.980, 294.202
Yxy	18.0270, 0.1757, 0.1294
Android (android.graphics.Color)	4281559551 (0xFF3369FF)
YUV	105.9540, 73.4797, -48.1947
Hunter-Lab	42.4582, 28.6034, -105.4651

Details

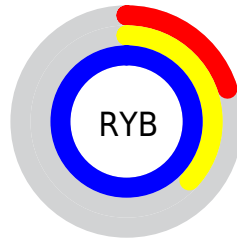
The Yxy color **18.0270, 0.1757, 0.1294** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **63.4069, 0.4541, 0.4585**, and the grayscale version is **14.2276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6641, 0.2240, 0.2049**, and **7.1591, 0.1608, 0.0989** is the 20% darker color. If you saturate the color by 10%, you get **14.1221, 0.1651, 0.1069**, and if you desaturate by 10%, it is **23.1384, 0.1897, 0.1553**.

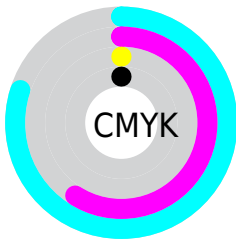
Distribution



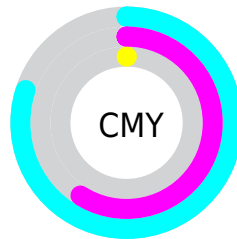
- Red (20%)
- Green (41%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0270, 0.1757, 0.1294 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 18.0270, 0.1757, 0.1294 by changing the saturation by 10% instead.


 18.0270, 0.1757,
0.1294


 18.0270, 0.1757,
0.1294


241.0232, 0.2479,
0.2232


 10.9694, 0.1584,
0.1099


 40.0833, 0.2017,
0.1609


 6.0462, 0.1374,
0.0876


 55.8508, 0.2117,
0.1736

 2.8732, 0.1117,
0.0627

 75.2904, 0.2201,
0.1846

 1.0659, 0.0812,
0.0368

 98.7864, 0.2273,
0.1943

 0.0000, 0.0481,
0.0000

126.7233, 0.2335,
0.2028

 0.0000, 0.0000,
0.0000

159.4855, 0.2389,

0.2104

197.4573, 0.2437,
0.2172

■ 18.0270, 0.1757,
0.1294

■ 18.0270, 0.1757,
0.1294

■ 14.1221, 0.1651,
0.1069

■ 23.1384, 0.1897,
0.1553

■ 11.2850, 0.1580,
0.0888

■ 29.5607, 0.2063,
0.1831

■ 11.2614, 0.1580,
0.0886

■ 37.3837, 0.2246,
0.2114

■ 46.6894, 0.2435,
0.2390

■ 57.5528, 0.2623,
0.2649

■ 70.0435, 0.2803,
0.2887

■ 84.2270, 0.2972,
0.3102

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.



18.0270, 0.1100, 0.1272



18.0270, 0.1757, 0.1294



18.0270, 0.3004, 0.1619

Triad

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



18.0270, 0.1757, 0.1294



18.0270, 0.5963, 0.3817



18.0270, 0.1461, 0.4606

Complementary

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



18.0270, 0.1757, 0.1294



63.4069, 0.4541, 0.4585

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.



18.0270, 0.2537, 0.6320



18.0270, 0.1757, 0.1294



18.0270, 0.5103, 0.4897

Square

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



18.0270, 0.1757, 0.1294



18.0270, 0.5969, 0.2988



18.0270, 0.3825, 0.6033



18.0270, 0.0922, 0.2609

Rectangle

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



18.0270, 0.1757, 0.1294



18.0270, 0.4143, 0.2001



18.0270, 0.3825, 0.6033



18.0270, 0.1772, 0.5351

Sweetspot

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



18.0266, 0.1757, 0.1294



64.7238, 0.2730, 0.2793



76.4317, 0.2490, 0.3994



12.9123, 0.2666, 0.2707



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.



18.0266, 0.1757, 0.1294



12.2826, 0.1605, 0.0953



12.2504, 0.1842, 0.0926



18.1564, 0.2979, 0.3110



6.0900, 0.1587, 0.0913



0.7623, 0.1646, 0.1124

Inverse Universe

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



24.6688, 0.5267, 0.2889



21.9859, 0.5821, 0.3003



85.0927, 0.3803, 0.5201



18.0657, 0.3253, 0.3228



11.3427, 0.5892, 0.3020



1.1215, 0.5575, 0.2845

Previews

White Background



This preview shows how the Yxy color 18.0270, 0.1757, 0.1294 looks on a white background.

Color Contrast Check

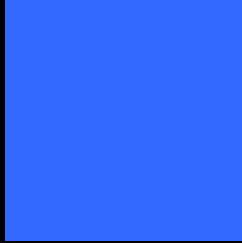
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0270, 0.1757, 0.1294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

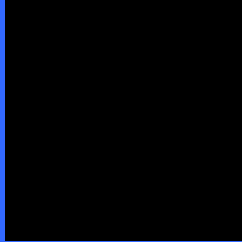
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

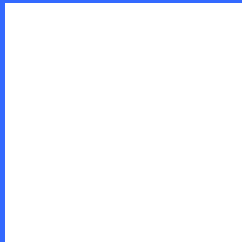
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.0270, 0.1757, 0.1294

Background



This preview shows how black text looks on a background with the Yxy color 18.0270, 0.1757, 0.1294.



This preview shows how white text looks on a background with the Yxy color 18.0270, 0.1757, 0.1294.

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

18.0270, 0.1757, 0.1294

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.8407, 0.1851, 0.1861



Tritanopia

17.8002, 0.2198, 0.3113

Trichromacy



Original Color

18.0270, 0.1757, 0.1294

Protanomaly

17.6074, 0.1731, 0.1381

Deuteranomaly

17.7276, 0.1798, 0.1617

Tritanomaly

17.1494, 0.1960, 0.2176

Monochromacy



Original Color

18.0270, 0.1757, 0.1294

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8246, 0.2343, 0.2264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0270, 0.1757, 0.1294 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, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 105, 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, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 105, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.0270, 0.1757, 0.1294 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, 105, 255) }
```

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

```
.border{ border-color:rgb(51, 105, 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, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 105,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0270, 0.1757, 0.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 105, 255) }
```

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

```
.background{ background-color: rgb(51, 105,  
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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