

Converting Colors

$Yxy(18.5636, 0.1834, 0.1379)$

Have a look what the booklet for
Yxy(18.5636, 0.1834, 0.1379)
contains.

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Color

Yxy(18.5579, 0.1836, 0.1382)

Conversions

Conversions Part 1

Format	Color
Hex	456BF8
RGB	69, 107, 248
RGB Percent	27%, 42%, 97%
CMY	0.7292, 0.5804, 0.0275
CMYK	0.72, 0.57, 0.00, 0.03
HSL	227°, 93%, 62%
HSV	227°, 72%, 97%
XYZ	24.6543, 18.5579, 91.0707
YIQ	111.7120, -67.9090, 35.7950

Conversions

Conversions Part 2

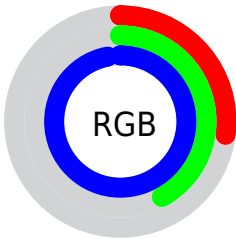
Format	Color
R _Y B	69, 100, 248
Decimal	4549624
CIE Lab	50.17, 33.68, -74.36
CIE LCh	50, 81.630, 294.366
Yxy	18.5579, 0.1836, 0.1382
Android (android.graphics.Color)	4282739704 (0xFF456BF8)
YUV	111.7120, 67.1900, -37.4584
Hunter-Lab	43.0789, 26.7688, -95.1865

Details

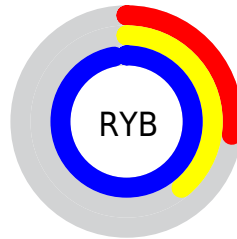
The Yxy color **18.5579, 0.1836, 0.1382** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **66.4896, 0.4349, 0.4602**, and the grayscale version is **15.9336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0770, 0.2297, 0.2089**, and **7.0552, 0.1624, 0.1045** is the 20% darker color. If you saturate the color by 10%, you get **14.2084, 0.1701, 0.1127**, and if you desaturate by 10%, it is **24.2073, 0.2002, 0.1667**.

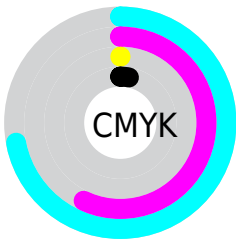
Distribution



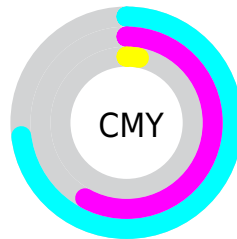
- Red (27%)
- Green (42%)
- Blue (97%)



- Red (27%)
- Yellow (39%)
- Blue (97%)



- Cyan (72%)
- Magenta (57%)
- Yellow (0%)
- Black (3%)




- Cyan (73%)
- Magenta (58%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5579, 0.1836, 0.1382 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 18.5579, 0.1836, 0.1382 by changing the saturation by 10% instead.


 18.5579, 0.1836,
0.1382


 18.5579, 0.1836,
0.1382


243.9971, 0.2522,
0.2292


 11.3513, 0.1668,
0.1188


 40.9857, 0.2086,
0.1692

 6.3036, 0.1461,
0.0962


 56.9757, 0.2180,
0.1815

 3.0306, 0.1205,
0.0705

 76.6622, 0.2260,
0.1922

 1.1477, 0.0893,
0.0429

 100.4297, 0.2328,
0.2015

 0.0184, 0.0545,
0.0012

128.6625, 0.2387,
0.2097

 0.0000, 0.0000,
0.0000

161.7451, 0.2438,

0.2169

200.0619, 0.2482,
0.2234

■ 18.5579, 0.1836,
0.1382

■ 18.5579, 0.1836,
0.1382

■ 14.2084, 0.1701,
0.1127

■ 24.2073, 0.2002,
0.1667

■ 11.0440, 0.1604,
0.0919

■ 31.2542, 0.2188,
0.1965

■ 9.2853, 0.1554,
0.0793

■ 39.7878, 0.2382,
0.2261

■ 49.8893, 0.2575,
0.2543

■ 61.6337, 0.2761,
0.2804

■ 75.0910, 0.2935,
0.3039

■ 90.3274, 0.3095,
0.3248

■ 99.5559, 0.3168,
0.3357

Harmonies

Analogous

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



18.5579, 0.1189, 0.1363



18.5579, 0.1836, 0.1382



18.5579, 0.3029, 0.1701

Triad

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



18.5579, 0.1836, 0.1382



18.5579, 0.5830, 0.3862



18.5579, 0.1564, 0.4499

Complementary

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



18.5579, 0.1836, 0.1382



66.4896, 0.4349, 0.4602

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.



18.5579, 0.2610, 0.6078



18.5579, 0.1836, 0.1382



18.5579, 0.5032, 0.4872

Square

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



18.5579, 0.1836, 0.1382



18.5579, 0.5796, 0.3043



18.5579, 0.3840, 0.5890



18.5579, 0.1024, 0.2667

Rectangle

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



18.5579, 0.1836, 0.1382



18.5579, 0.4092, 0.2074



18.5579, 0.3840, 0.5890



18.5579, 0.1868, 0.5171

Sweetspot

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



18.5584, 0.1836, 0.1382



65.8369, 0.2764, 0.2807



73.0018, 0.2469, 0.3790



13.3251, 0.2714, 0.2739



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.



18.5584, 0.1836, 0.1382



13.3130, 0.1647, 0.1017



15.0133, 0.2028, 0.1137



17.2395, 0.2979, 0.3097



5.1802, 0.1560, 0.0815



0.6264, 0.1617, 0.1022

Inverse Universe

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



25.2763, 0.5101, 0.2965



22.9383, 0.5693, 0.3020



79.4596, 0.3722, 0.5122



17.2854, 0.3260, 0.3240



10.9338, 0.6045, 0.3104



1.0275, 0.5726, 0.2928

Previews

White Background



This preview shows how the Yxy color 18.5579, 0.1836, 0.1382 looks on a white background.

Color Contrast Check

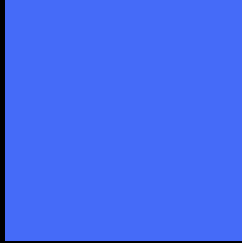
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5579, 0.1836, 0.1382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

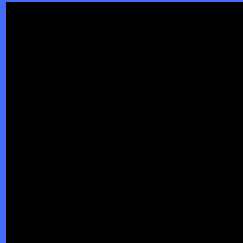
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5579, 0.1836, 0.1382

Background



This preview shows how black text looks on a background with the Yxy color 18.5579, 0.1836, 0.1382.

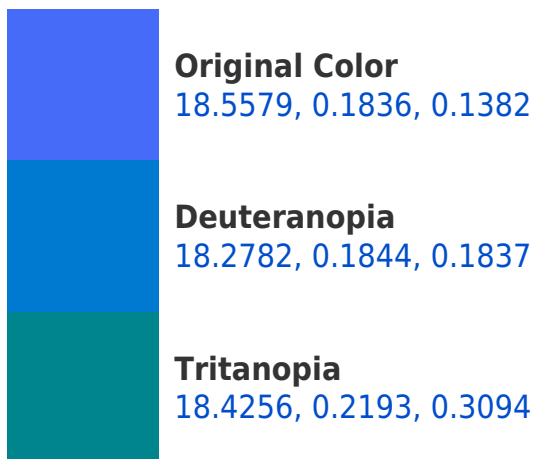


This preview shows how white text looks on a background with the Yxy color 18.5579, 0.1836, 0.1382.

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



Trichromacy



Original Color

18.5579, 0.1836, 0.1382

Deuteranomaly

18.0252, 0.1811, 0.1635

Tritanomaly

17.6679, 0.1986, 0.2232

Monochromacy



Original Color

18.5579, 0.1836, 0.1382

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2119, 0.2439, 0.2349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5579, 0.1836, 0.1382 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(69, 107, 248)` looks like.

```
.text, #text, p{  
    color:rgb(69, 107, 248)  
}
```

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(69, 107, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 107, 248) }
```

Border

The CSS property to change the border of an element to Yxy 18.5579, 0.1836, 0.1382 is called "border". The border property can be set on classes, ids or directly on the HTML element.

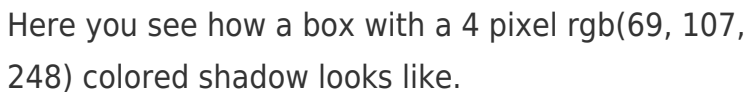
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 107, 248) }
```

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

```
.border{ border-color:rgb(69, 107, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 107, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 107, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 107, 248);  
box-shadow:4px 4px 4px 4px rgb(69, 107,  
248) }
```

Background

The CSS property to change the background color of an element to Yxy 18.5579, 0.1836, 0.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 107, 248) }
```

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

```
.background{ background-color: rgb(69, 107,  
248) }
```

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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