

Converting Colors

$Yxy(19.2371, 0.1786, 0.1360)$

Have a look what the booklet for
Yxy(19.2371, 0.1786, 0.1360)
contains.

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Color

Yxy(19.2126, 0.1786, 0.1358)

Conversions

Conversions Part 1

Format	Color
Hex	386EFF
RGB	56, 110, 255
RGB Percent	22%, 43%, 100%
CMY	0.7795, 0.5688, 0.0000
CMYK	0.78, 0.57, 0.00, 0.00
HSL	224°, 100%, 61%
HSV	224°, 78%, 100%
XYZ	25.2678, 19.2126, 96.9967
YIQ	110.3840, -78.7290, 33.6470

Conversions

Conversions Part 2

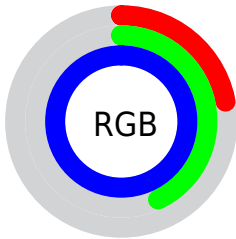
Format	Color
R _Y B	56, 98, 255
Decimal	3698431
CIE Lab	50.94, 32.99, -77.03
CIE LCh	51, 83.800, 293.180
Yxy	19.2126, 0.1786, 0.1358
Android (android.graphics.Color)	4281888511 (0xFF386EFF)
YUV	110.3840, 71.2957, -47.6948
Hunter-Lab	43.8322, 26.1931, -100.5210

Details

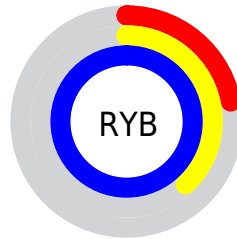
The Yxy color **19.2126, 0.1786, 0.1358** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **63.4473, 0.4524, 0.4563**, and the grayscale version is **15.5326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6153, 0.2269, 0.2117**, and **7.6980, 0.1625, 0.1050** is the 20% darker color. If you saturate the color by 10%, you get **15.0509, 0.1673, 0.1125**, and if you desaturate by 10%, it is **24.5902, 0.1931, 0.1621**.

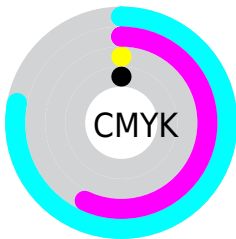
Distribution



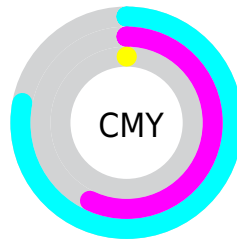
- Red (22%)
- Green (43%)
- Blue (100%)



- Red (22%)
- Yellow (38%)
- Blue (100%)



- Cyan (78%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2126, 0.1786, 0.1358 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 19.2126, 0.1786, 0.1358 by changing the saturation by 10% instead.


 19.2126, 0.1786,
0.1358


 19.2126, 0.1786,
0.1358

247.6199, 0.2489,
0.2270

 11.8240, 0.1618,
0.1166


 42.0930, 0.2040,
0.1666

 6.6239, 0.1412,
0.0944


 58.3537, 0.2136,
0.1789

 3.2281, 0.1160,
0.0693

 78.3404, 0.2218,
0.1897

 1.2519, 0.0857,
0.0426

 102.4377, 0.2288,
0.1990

 0.1035, 0.0522,
0.0060

131.0299, 0.2349,
0.2073

 0.0000, 0.0000,
0.0000

164.5014, 0.2402,

0.2146

203.2366, 0.2448,
0.2212

■ 19.2126, 0.1786,
0.1358

■ 19.2126, 0.1786,
0.1358

■ 15.0509, 0.1673,
0.1125

■ 24.5902, 0.1931,
0.1621

■ 11.9864, 0.1596,
0.0934

■ 31.2838, 0.2101,
0.1899

■ 11.4678, 0.1584,
0.0900

■ 39.3800, 0.2284,
0.2179

■ 48.9577, 0.2473,
0.2450

■ 60.0898, 0.2659,
0.2703

■ 72.8439, 0.2837,
0.2935

■ 87.2835, 0.3004,
0.3142

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.



19.2126, 0.1155, 0.1350



19.2126, 0.1786, 0.1358



19.2126, 0.2967, 0.1667

Triad

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



19.2126, 0.1786, 0.1358



19.2126, 0.5875, 0.3819



19.2126, 0.1576, 0.4601

Complementary

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



19.2126, 0.1786, 0.1358



63.4473, 0.4524, 0.4563

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.



19.2126, 0.2643, 0.6151



19.2126, 0.1786, 0.1358



19.2126, 0.5086, 0.4833

Square

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



19.2126, 0.1786, 0.1358



19.2126, 0.5806, 0.3003



19.2126, 0.3885, 0.5884



19.2126, 0.1015, 0.2711

Rectangle

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



19.2126, 0.1786, 0.1358



19.2126, 0.4038, 0.2035



19.2126, 0.3885, 0.5884



19.2126, 0.1888, 0.5279

Sweetspot

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



19.2121, 0.1786, 0.1358



66.1919, 0.2748, 0.2821



76.4764, 0.2506, 0.4020



13.2055, 0.2683, 0.2735



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.



19.2121, 0.1786, 0.1358



13.0754, 0.1622, 0.1004



12.7410, 0.1851, 0.0957



18.1765, 0.2979, 0.3111



6.2018, 0.1591, 0.0927



0.7755, 0.1650, 0.1140

Inverse Universe

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



25.2363, 0.5172, 0.2870



22.1908, 0.5739, 0.2971



85.7952, 0.3823, 0.5156



18.0677, 0.3252, 0.3226



11.3540, 0.5870, 0.3007



1.1228, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 19.2126, 0.1786, 0.1358 looks on a white background.

Color Contrast Check

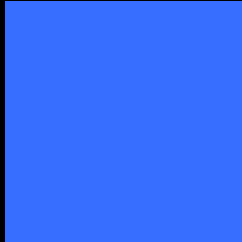
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2126, 0.1786, 0.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

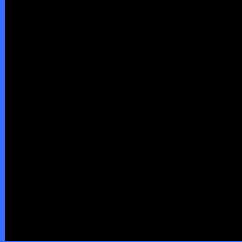
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

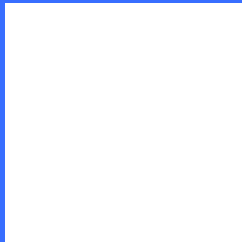
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2126, 0.1786, 0.1358

Background



This preview shows how black text looks on a background with the Yxy color 19.2126, 0.1786, 0.1358.



This preview shows how white text looks on a background with the Yxy color 19.2126, 0.1786, 0.1358.

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

19.2126, 0.1786, 0.1358

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

18.9194, 0.1845, 0.1840



Tritanopia

19.0032, 0.2199, 0.3117

Trichromacy



Original Color

19.2126, 0.1786, 0.1358

Protanomaly

19.0229, 0.1740, 0.1414

Deuteranomaly

18.7070, 0.1800, 0.1621

Tritanomaly

18.2349, 0.1975, 0.2227

Monochromacy



Original Color

19.2126, 0.1786, 0.1358

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.9699, 0.2369, 0.2306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2126, 0.1786, 0.1358 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(56, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 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(56, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.2126, 0.1786, 0.1358 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(56, 110, 255) }
```

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

```
.border{ border-color:rgb(56, 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(56, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2126, 0.1786, 0.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 110, 255) }
```

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

```
.background{ background-color: rgb(56, 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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