

Converting Colors

$Yxy(18.6166, 0.1784, 0.1349)$

Have a look what the booklet for
Yxy(18.6166, 0.1784, 0.1349)
contains.

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Color

Yxy(18.5942, 0.1786, 0.1352)

Conversions

Conversions Part 1

Format	Color
Hex	386CFC
RGB	56, 108, 252
RGB Percent	22%, 42%, 99%
CMY	0.7802, 0.5765, 0.0118
CMYK	0.78, 0.57, 0.00, 0.01
HSL	224°, 97%, 60%
HSV	224°, 78%, 99%
XYZ	24.5630, 18.5942, 94.3738
YIQ	108.8680, -77.2160, 33.7600

Conversions

Conversions Part 2

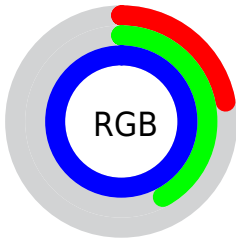
Format	Color
R_{YB}	56, 97, 252
Decimal	3697916
CIE _{Lab}	50.21, 33.10, -76.54
CIE _{LCh}	50, 83.386, 293.386
Yxy	18.5942, 0.1786, 0.1352
Android (android.graphics.Color)	4281887996 (0xFF386CFC)
YUV	108.8680, 70.5641, -46.3652
Hunter-Lab	43.1210, 26.2174, -99.5763

Details

The Yxy color **18.5942, 0.1786, 0.1352** 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 **62.2997, 0.4512, 0.4569**, and the grayscale version is **15.0708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8416, 0.2258, 0.2090**, and **7.3403, 0.1622, 0.1039** is the 20% darker color. If you saturate the color by 10%, you get **14.5418, 0.1672, 0.1118**, and if you desaturate by 10%, it is **23.8419, 0.1932, 0.1616**.

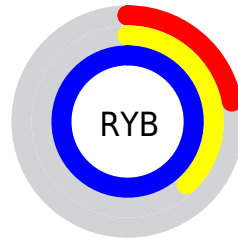
Distribution



Red (22%)

Green (42%)

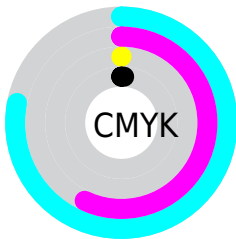
Blue (99%)



Red (22%)

Yellow (38%)

Blue (99%)

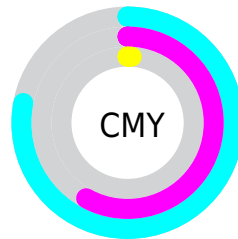


Cyan (78%)

Magenta (57%)

Yellow (0%)

Black (1%)



Cyan (78%)


Magenta (58%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5942, 0.1786, 0.1352 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 18.5942, 0.1786, 0.1352 by changing the saturation by 10% instead.


 18.5942, 0.1786,
0.1352


 18.5942, 0.1786,
0.1352


244.1993, 0.2493,
0.2271


 11.3774, 0.1616,
0.1158


 41.0473, 0.2042,
0.1663


 6.3213, 0.1407,
0.0933


 57.0523, 0.2139,
0.1787

 3.0414, 0.1151,
0.0680

 76.7556, 0.2221,
0.1895

 1.1534, 0.0844,
0.0411

 100.5415, 0.2292,
0.1990

 0.0231, 0.0507,
0.0014

128.7945, 0.2352,
0.2073

 0.0000, 0.0000,
0.0000

161.8988, 0.2405,

0.2147

200.2389, 0.2452,
0.2212

■ 18.5942, 0.1786,
0.1352

■ 18.5942, 0.1786,
0.1352

■ 14.5418, 0.1672,
0.1118

■ 23.8419, 0.1932,
0.1616

■ 11.5660, 0.1595,
0.0927

■ 30.3800, 0.2103,
0.1896

■ 11.0194, 0.1581,
0.0890

■ 38.2945, 0.2287,
0.2177

■ 47.6630, 0.2476,
0.2449

■ 58.5569, 0.2662,
0.2704

■ 71.0427, 0.2841,
0.2936

■ 85.1829, 0.3007,
0.3145

99.8071, 0.3145,
0.3319

Harmonies

Analogous

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



18.5942, 0.1151, 0.1342



18.5942, 0.1786, 0.1352



18.5942, 0.2975, 0.1664

Triad

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



18.5942, 0.1786, 0.1352



18.5942, 0.5883, 0.3823



18.5942, 0.1562, 0.4595

Complementary

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



18.5942, 0.1786, 0.1352



62.2997, 0.4512, 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.



18.5942, 0.2628, 0.6165



18.5942, 0.1786, 0.1352



18.5942, 0.5086, 0.4846

Square

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



18.5942, 0.1786, 0.1352



18.5942, 0.5824, 0.3004



18.5942, 0.3875, 0.5902



18.5942, 0.1004, 0.2696

Rectangle

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



18.5942, 0.1786, 0.1352



18.5942, 0.4054, 0.2034



18.5942, 0.3875, 0.5902



18.5942, 0.1873, 0.5280

Sweetspot

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



18.5947, 0.1786, 0.1352



66.0404, 0.2748, 0.2817



74.6088, 0.2493, 0.3972



13.1695, 0.2683, 0.2731



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.



18.5947, 0.1786, 0.1352



13.1922, 0.1627, 0.1011



12.6713, 0.1875, 0.0972



17.3914, 0.2979, 0.3110



5.9453, 0.1588, 0.0917



0.7164, 0.1650, 0.1141

Inverse Universe

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



24.6078, 0.5178, 0.2879



22.2778, 0.5726, 0.2971



83.0546, 0.3800, 0.5170



17.3008, 0.3252, 0.3227



11.0111, 0.5885, 0.3016



1.0366, 0.5551, 0.2832

Previews

White Background



This preview shows how the Yxy color 18.5942, 0.1786, 0.1352 looks on a white background.

Color Contrast Check

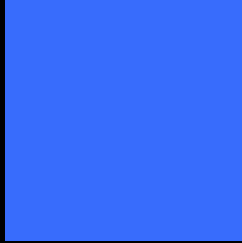
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5942, 0.1786, 0.1352 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 18.5942, 0.1786, 0.1352

Background



This preview shows how black text looks on a background with the Yxy color 18.5942, 0.1786, 0.1352.



This preview shows how white text looks on a background with the Yxy color 18.5942, 0.1786, 0.1352.

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

18.5942, 0.1786, 0.1352

Protanopia

18.4454, 0.1737, 0.1454

Deuteranopia

18.2782, 0.1844, 0.1837



Tritanopia

18.3960, 0.2199, 0.3115

Trichromacy



Original Color

18.5942, 0.1786, 0.1352

Protanomaly

18.3909, 0.1739, 0.1408

Deuteranomaly

18.0757, 0.1799, 0.1616

Tritanomaly

17.6508, 0.1972, 0.2216

Monochromacy



Original Color

18.5942, 0.1786, 0.1352

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.6841, 0.2381, 0.2317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5942, 0.1786, 0.1352 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, 108, 252)` looks like.

```
.text, #text, p{  
    color:rgb(56, 108, 252)  
}
```

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, 108, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 108, 252) }
```

Border

The CSS property to change the border of an element to Yxy 18.5942, 0.1786, 0.1352 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, 108, 252) }
```

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

```
.border{ border-color:rgb(56, 108, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 108, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 108, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 108, 252);  
box-shadow:4px 4px 4px 4px rgb(56, 108,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5942, 0.1786, 0.1352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 108, 252) }
```

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

```
.background{ background-color: rgb(56, 108,  
252) }
```

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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