

Converting Colors

$Yxy(18.4780, 0.1744, 0.1480)$

Have a look what the booklet for
Yxy(18.4780, 0.1744, 0.1480)
contains.

Yxy(18.5527, 0.1745, 0.1481)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.5527, 0.1745, 0.1481)

Conversions

Conversions Part 1

Format	Color
Hex	0073F0
RGB	0, 115, 240
RGB Percent	0%, 45%, 94%
CMY	0.9988, 0.5490, 0.0589
CMYK	1.00, 0.52, 0.00, 0.06
HSL	211°, 100%, 47%
HSV	211°, 100%, 94%
XYZ	21.8599, 18.5527, 84.8589
YIQ	94.8650, -108.6650, 14.4950

Conversions

Conversions Part 2

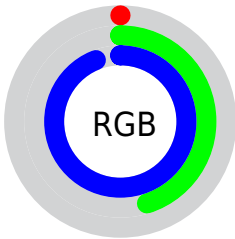
Format	Color
RYB	0, 78, 240
Decimal	29680
CIELab	50.16, 21.17, -69.98
CIELCh	50, 73.116, 286.831
Yxy	18.5527, 0.1745, 0.1481
Android (android.graphics.Color)	4278219760 (0xFF0073F0)
YUV	94.8650, 71.5516, -83.1966
Hunter-Lab	43.0728, 15.2129, -86.6577

Details

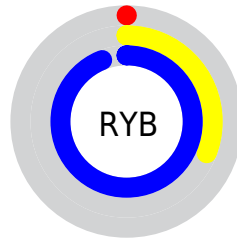
The Yxy color **18.5527, 0.1745, 0.1481** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **33.2672, 0.5365, 0.4121**, and the grayscale version is **11.2774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7436, 0.2163, 0.2149**, and **7.5531, 0.1662, 0.1183** is the 20% darker color. If you saturate the color by 10%, you get **18.5150, 0.1744, 0.1479**, and if you desaturate by 10%, it is **21.7997, 0.1815, 0.1665**.

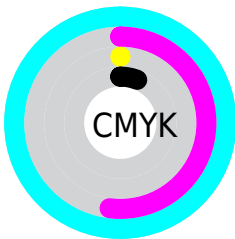
Distribution



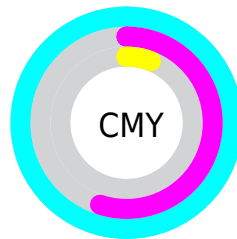
- Red (0%)
- Green (45%)
- Blue (94%)



- Red (0%)
- Yellow (31%)
- Blue (94%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (55%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5527, 0.1745, 0.1481 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 18.5527, 0.1745, 0.1481 by changing the saturation by 10% instead.

■ 18.5527, 0.1745,
0.1481

■ 18.5527, 0.1745,
0.1481

243.9682, 0.2471,
0.2369

■ 11.3475, 0.1569,
0.1284

■ 40.9769, 0.2008,
0.1789

■ 6.3011, 0.1353,
0.1051

■ 56.9647, 0.2108,
0.1910

■ 3.0290, 0.1088,
0.0781

■ 76.6488, 0.2193,
0.2014

■ 1.1469, 0.0770,
0.0484

■ 100.4137, 0.2265,
0.2104

■ 0.0177, 0.0401,
0.0013

■ 128.6436, 0.2327,
0.2183

■ 0.0000, 0.0000,
0.0000

161.7231, 0.2381,

0.2253

200.0365, 0.2429,
0.2314

■ 18.5527, 0.1745,
0.1481

■ 18.5527, 0.1745,
0.1481

■ 18.5150, 0.1744,
0.1479

■ 21.7997, 0.1815,
0.1665

■ 25.6903, 0.1908,
0.1861

■ 30.3128, 0.2026,
0.2065

■ 35.7247, 0.2164,
0.2271

■ 41.9761, 0.2318,
0.2472

■ 49.1118, 0.2480,
0.2664

■ 57.1728, 0.2646,
0.2844

■ 66.1971, 0.2812,
0.3009

■ 76.2201, 0.2974,
0.3158

Harmonies

Analogous

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



18.5527, 0.1229, 0.1548



18.5527, 0.1745, 0.1481



18.5527, 0.2726, 0.1715

Triad

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



18.5527, 0.1745, 0.1481



18.5527, 0.5700, 0.3693



18.5527, 0.1931, 0.4809

Complementary

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



18.5527, 0.1745, 0.1481



33.2672, 0.5365, 0.4121

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.



18.5527, 0.2998, 0.5870



18.5527, 0.1745, 0.1481



18.5527, 0.5158, 0.4577

Square

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



18.5527, 0.1745, 0.1481



18.5527, 0.5362, 0.2920



18.5527, 0.4150, 0.5504



18.5527, 0.1267, 0.3103

Rectangle

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



18.5527, 0.1745, 0.1481



18.5527, 0.3637, 0.2028



18.5527, 0.4150, 0.5504



18.5527, 0.2257, 0.5320

Sweetspot

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



18.5532, 0.1745, 0.1481



65.3990, 0.2643, 0.2840



63.7752, 0.2716, 0.4976



13.1343, 0.2572, 0.2766



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.



18.5532, 0.1745, 0.1481



21.1438, 0.1743, 0.1473



6.3250, 0.1504, 0.0603



16.4767, 0.2980, 0.3164



10.3994, 0.1752, 0.1507



1.0632, 0.1820, 0.1752

Inverse Universe

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



19.7679, 0.5084, 0.2575



22.6656, 0.5094, 0.2580



80.1472, 0.4164, 0.5075



15.8848, 0.3218, 0.3178



10.8432, 0.5049, 0.2555



0.9221, 0.4743, 0.2387

Previews

White Background



This preview shows how the Yxy color 18.5527, 0.1745, 0.1481 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 18.5527, 0.1745, 0.1481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

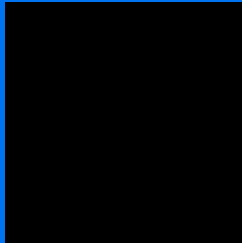
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

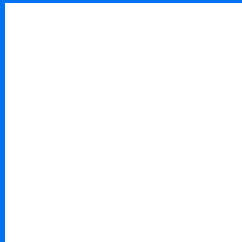
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5527, 0.1745, 0.1481

Background



This preview shows how black text looks on a background with the Yxy color 18.5527, 0.1745, 0.1481.



This preview shows how white text looks on a background with the Yxy color 18.5527, 0.1745, 0.1481.

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

18.5527, 0.1745, 0.1481

Protanopia

18.5426, 0.1774, 0.1486

Deuteranopia

18.3279, 0.1841, 0.1827



Tritanopia

18.3960, 0.2199, 0.3115

Trichromacy



Original Color

18.5527, 0.1745, 0.1481

Protanomaly

18.4051, 0.1759, 0.1480

Deuteranomaly

18.4141, 0.1803, 0.1690

Tritanomaly

18.0563, 0.1984, 0.2342

Monochromacy



Original Color

18.5527, 0.1745, 0.1481

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.6330, 0.2207, 0.2319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5527, 0.1745, 0.1481 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(0, 115, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 240)  
}
```

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(0, 115, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 240) }
```

Border

The CSS property to change the border of an element to Yxy 18.5527, 0.1745, 0.1481 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(0, 115, 240) }
```

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

```
.border{ border-color:rgb(0, 115, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5527, 0.1745, 0.1481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 240) }
```

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

```
.background{ background-color: rgb(0, 115,  
240) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor