

Converting Colors

$Yxy(20.1319, 0.1764, 0.1549)$

Have a look what the booklet for
Yxy(20.1319, 0.1764, 0.1549)
contains.

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Color

Yxy(20.0855, 0.1764, 0.1549)

Conversions

Conversions Part 1

Format	Color
Hex	0079F2
RGB	0, 121, 242
RGB Percent	0%, 47%, 95%
CMY	0.9981, 0.5256, 0.0508
CMYK	1.00, 0.50, 0.00, 0.05
HSL	210°, 100%, 48%
HSV	210°, 100%, 95%
XYZ	22.8734, 20.0855, 86.7087
YIQ	98.6150, -110.9570, 11.9790

Conversions

Conversions Part 2

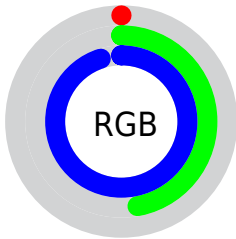
Format	Color
R _Y B	0, 81, 242
Decimal	31218
CIE Lab	51.93, 18.19, -68.25
CIE LCh	52, 70.635, 284.920
Yxy	20.0855, 0.1764, 0.1549
Android (android.graphics.Color)	4278221298 (0xFF0079F2)
YUV	98.6150, 70.6888, -86.4854
Hunter-Lab	44.8168, 12.6723, -83.3386

Details

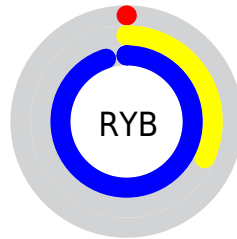
The Yxy color **20.0855, 0.1764, 0.1549** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **32.6968, 0.5424, 0.4073**, and the grayscale version is **12.2532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3584, 0.2184, 0.2242**, and **8.4003, 0.1684, 0.1263** is the 20% darker color. If you saturate the color by 10%, you get **20.0227, 0.1763, 0.1545**, and if you desaturate by 10%, it is **23.4213, 0.1832, 0.1728**.

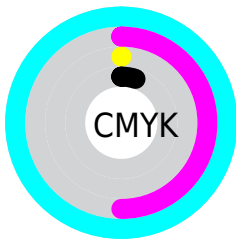
Distribution



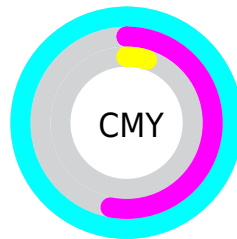
- Red (0%)
- Green (47%)
- Blue (95%)



- Red (0%)
- Yellow (32%)
- Blue (95%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (53%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0855, 0.1764, 0.1549 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 20.0855, 0.1764, 0.1549 by changing the saturation by 10% instead.


 20.0855, 0.1764,
0.1549


 20.0855, 0.1764,
0.1549


252.3776, 0.2474,
0.2405


 12.4572, 0.1593,
0.1357


 43.5605, 0.2020,
0.1847

 7.0559, 0.1383,
0.1130


 60.1760, 0.2118,
0.1963


 3.4971, 0.1125,
0.0862

 80.5560, 0.2200,
0.2063

 1.3964, 0.0813,
0.0561

 105.0849, 0.2271,
0.2150

 0.2141, 0.0458,
0.0151

 134.1471, 0.2332,
0.2226

 0.0000, 0.0000,
0.0000

168.1270, 0.2385,

0.2293

207.4091, 0.2432,
0.2352

■ 20.0855, 0.1764,
0.1549

■ 20.0855, 0.1764,
0.1549

■ 20.0227, 0.1763,
0.1545

■ 23.4213, 0.1832,
0.1728

■ 27.3884, 0.1924,
0.1919

■ 32.0740, 0.2039,
0.2116

■ 37.5354, 0.2174,
0.2314

■ 43.8220, 0.2325,
0.2507

■ 50.9780, 0.2485,
0.2691

■ 59.0438, 0.2649,
0.2863

■ 68.0570, 0.2814,
0.3021

■ 78.0524, 0.2975,
0.3164

Harmonies

Analogous

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



20.0855, 0.1284, 0.1640



20.0855, 0.1764, 0.1549



20.0855, 0.2679, 0.1758

Triad

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



20.0855, 0.1764, 0.1549



20.0855, 0.5585, 0.3661



20.0855, 0.2061, 0.4804

Complementary

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



20.0855, 0.1764, 0.1549



32.6968, 0.5424, 0.4073

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.



20.0855, 0.3106, 0.5722



20.0855, 0.1764, 0.1549



20.0855, 0.5139, 0.4504

Square

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



20.0855, 0.1764, 0.1549



20.0855, 0.5183, 0.2908



20.0855, 0.4208, 0.5367



20.0855, 0.1380, 0.3218

Rectangle

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



20.0855, 0.1764, 0.1549



20.0855, 0.3527, 0.2051



20.0855, 0.4208, 0.5367



20.0855, 0.2384, 0.5255

Sweetspot

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



20.0860, 0.1764, 0.1549



66.1939, 0.2645, 0.2858



64.9198, 0.2732, 0.5032



13.3219, 0.2575, 0.2787



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.



20.0860, 0.1764, 0.1549



22.4488, 0.1761, 0.1541



6.4273, 0.1501, 0.0601



16.5314, 0.2980, 0.3169



11.0256, 0.1771, 0.1574



1.1162, 0.1837, 0.1813

Inverse Universe

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



20.2754, 0.4996, 0.2527



22.7974, 0.5006, 0.2532



82.4154, 0.4193, 0.5052



15.8904, 0.3215, 0.3173



10.9064, 0.4963, 0.2508



0.9274, 0.4670, 0.2346

Previews

White Background



This preview shows how the Yxy color 20.0855, 0.1764, 0.1549 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 20.0855, 0.1764, 0.1549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

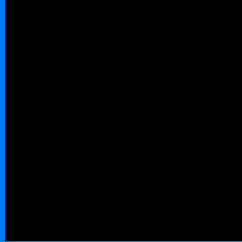
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0855, 0.1764, 0.1549

Background



This preview shows how black text looks on a background with the Yxy color 20.0855, 0.1764, 0.1549.



This preview shows how white text looks on a background with the Yxy color 20.0855, 0.1764, 0.1549.

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

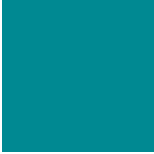
20.0855, 0.1764, 0.1549

Protanopia

20.1630, 0.1834, 0.1564

Deuteranopia

20.0362, 0.1839, 0.1820



Tritanopia

19.9666, 0.2195, 0.3100

Trichromacy



Original Color

20.0855, 0.1764, 0.1549

Protanomaly

20.0909, 0.1795, 0.1556

Deuteranomaly

19.9614, 0.1810, 0.1714

Tritanomaly

19.5688, 0.1991, 0.2368

Monochromacy



Original Color

20.0855, 0.1764, 0.1549

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.8065, 0.2224, 0.2382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0855, 0.1764, 0.1549 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, 121, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 242)  
}
```

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, 121, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 242) }
```

Border

The CSS property to change the border of an element to Yxy 20.0855, 0.1764, 0.1549 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, 121, 242) }
```

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

```
.border{ border-color:rgb(0, 121, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0855, 0.1764, 0.1549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 242) }
```

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

```
.background{ background-color: rgb(0, 121,  
242) }
```

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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