

Converting Colors

$Yxy(21.0181, 0.1782, 0.1613)$

Have a look what the booklet for
Yxy(21.0181, 0.1782, 0.1613)
contains.

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Color

Yxy(21.0246, 0.1782, 0.1614)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 007DF1 |
| RGB | 0, 125, 241 |
| RGB Percent | 0%, 49%, 95% |
| CMY | 0.9984, 0.5097, 0.0550 |
| CMYK | 1.00, 0.48, 0.00, 0.06 |
| HSL | 209°, 100%, 47% |
| HSV | 209°, 100%, 94% |
| XYZ | 23.2130, 21.0246, 86.0263 |
| YIQ | 100.8490, -111.7360, 9.5760 |

Conversions

Conversions Part 2

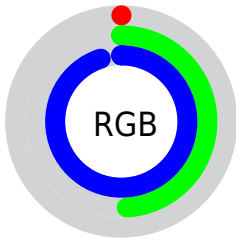
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 0, 82, 241 |
| Decimal | 32241 |
| CIE _{Lab} | 52.98, 15.22, -65.97 |
| CIE _{LCh} | 53, 67.702, 282.996 |
| Y _{xy} | 21.0246, 0.1782, 0.1614 |
| Android (android.graphics.Color) | 4278222321 (0xFF007DF1) |
| Y _{UV} | 100.8490, 69.0944, -88.4446 |
| Hunter-Lab | 45.8526, 10.1242, -79.1401 |

Details

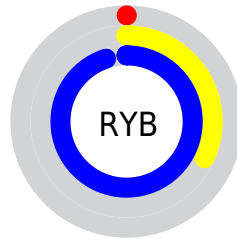
The Yxy color **21.0246, 0.1782, 0.1614** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **31.2671, 0.5482, 0.4028**, and the grayscale version is **12.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9155, 0.2195, 0.2296**, and **8.7684, 0.1700, 0.1318** is the 20% darker color. If you saturate the color by 10%, you get **20.9726, 0.1781, 0.1611**, and if you desaturate by 10%, it is **24.3382, 0.1849, 0.1789**.

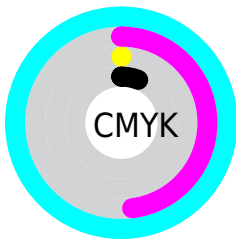
Distribution



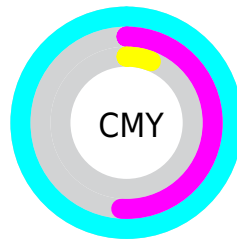
- Red (0%)
- Green (49%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (51%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0246, 0.1782, 0.1614 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 21.0246, 0.1782, 0.1614 by changing the saturation by 10% instead.

■ 21.0246, 0.1782,
0.1614

■ 21.0246, 0.1782,
0.1614

■ 257.4092, 0.2479,
0.2442

■ 13.1420, 0.1614,
0.1426

■ 45.1285, 0.2034,
0.1904

■ 7.5264, 0.1407,
0.1201

■ 62.1185, 0.2129,
0.2017

■ 3.7934, 0.1152,
0.0934

■ 82.9132, 0.2211,
0.2114

■ 1.5587, 0.0842,
0.0627

■ 107.8968, 0.2280,
0.2197

■ 0.3295, 0.0486,
0.0234

■ 137.4538, 0.2340,
0.2270

■ 0.0000, 0.0000,
0.0000

171.9686, 0.2393,

0.2335

211.8256, 0.2439,
0.2392

■ 21.0246, 0.1782,
0.1614

■ 21.0246, 0.1782,
0.1614

■ 20.9726, 0.1781,
0.1611

■ 24.3382, 0.1849,
0.1789

■ 28.2512, 0.1938,
0.1973

■ 32.8490, 0.2051,
0.2163

■ 38.1867, 0.2183,
0.2353

■ 44.3118, 0.2331,
0.2538

■ 51.2670, 0.2488,
0.2714

■ 59.0910, 0.2651,
0.2879

■ 67.8195, 0.2814,
0.3031

■ 77.4863, 0.2975,
0.3169

Harmonies

Analogous

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



21.0246, 0.1336, 0.1729



21.0246, 0.1782, 0.1614



21.0246, 0.2636, 0.1799

Triad

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



21.0246, 0.1782, 0.1614



21.0246, 0.5471, 0.3626



21.0246, 0.2182, 0.4795

Complementary

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



21.0246, 0.1782, 0.1614



31.2671, 0.5482, 0.4028

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.



21.0246, 0.3202, 0.5589



21.0246, 0.1782, 0.1614



21.0246, 0.5111, 0.4432

Square

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



21.0246, 0.1782, 0.1614



21.0246, 0.5017, 0.2894



21.0246, 0.4255, 0.5241



21.0246, 0.1487, 0.3322

Rectangle

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



21.0246, 0.1782, 0.1614



21.0246, 0.3429, 0.2073



21.0246, 0.4255, 0.5241



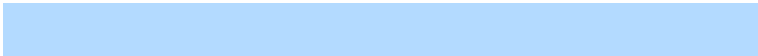
21.0246, 0.2500, 0.5194

Sweetspot

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



21.0252, 0.1782, 0.1614



66.9543, 0.2647, 0.2875



64.0777, 0.2762, 0.5144



13.5016, 0.2578, 0.2807



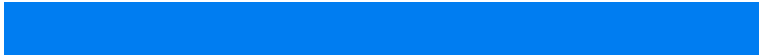
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0252, 0.1782, 0.1614



23.7493, 0.1780, 0.1606



6.5344, 0.1505, 0.0616



16.5834, 0.2980, 0.3173



11.6484, 0.1789, 0.1639



1.1683, 0.1853, 0.1871

Inverse Universe

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



20.1849, 0.4913, 0.2481



22.9286, 0.4923, 0.2486



76.9435, 0.4253, 0.5004



15.8956, 0.3212, 0.3168



10.9693, 0.4882, 0.2463



0.9327, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 21.0246, 0.1782, 0.1614 looks on a white background.

Color Contrast Check

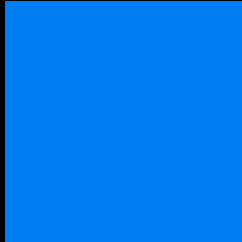
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0246, 0.1782, 0.1614 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

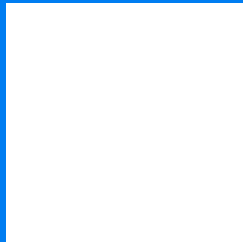
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0246, 0.1782, 0.1614

Background



This preview shows how black text looks on a background with the Yxy color 21.0246, 0.1782, 0.1614.



This preview shows how white text looks on a background with the Yxy color 21.0246, 0.1782, 0.1614.

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

21.0181, 0.1782, 0.1613

Protanopia

21.1162, 0.1887, 0.1635

Deuteranopia

20.8746, 0.1832, 0.1795



Tritanopia

20.9261, 0.2196, 0.3104

Trichromacy



Original Color

21.0181, 0.1782, 0.1613

Protanomaly

20.8490, 0.1827, 0.1618

Deuteranomaly

20.9483, 0.1813, 0.1725

Tritanomaly

20.7053, 0.2009, 0.2431

Monochromacy



Original Color

21.0181, 0.1782, 0.1613

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.5088, 0.2239, 0.2432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0246, 0.1782, 0.1614 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, 125, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 241)  
}
```

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, 125, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 241) }
```

Border

The CSS property to change the border of an element to Yxy 21.0246, 0.1782, 0.1614 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, 125, 241) }
```

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

```
.border{ border-color:rgb(0, 125, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0246, 0.1782, 0.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 241) }
```

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

```
.background{ background-color: rgb(0, 125,  
241) }
```

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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