

Converting Colors

$Yxy(16.5568, 0.1145, 0.1374)$

Have a look what the booklet for
Yxy(16.5568, 0.1145, 0.1374)
contains.

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Color

Yxy(22.1537, 0.1781, 0.1610)

Conversions

Conversions Part 1

Format	Color
Hex	0180F7
RGB	1, 128, 247
RGB Percent	0%, 50%, 97%
CMY	0.9976, 0.4980, 0.0316
CMYK	1.00, 0.48, 0.00, 0.03
HSL	209°, 99%, 49%
HSV	209°, 100%, 97%
XYZ	24.5067, 22.1537, 90.9403
YIQ	103.5930, -113.8910, 10.0850

Conversions

Conversions Part 2

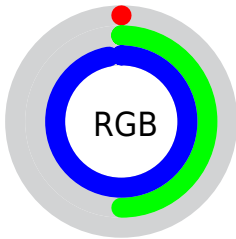
Format	Color
R _Y B	1, 85, 247
Decimal	98551
CIE Lab	54.19, 15.70, -67.33
CIE LCh	54, 69.137, 283.122
Yxy	22.1537, 0.1781, 0.1610
Android (android.graphics.Color)	4278288631 (0xFF0180F7)
YUV	103.5930, 70.6997, -89.9741
Hunter-Lab	47.0677, 10.5708, -81.6077

Details

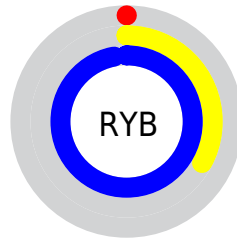
The Yxy color **22.1537, 0.1781, 0.1610** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **33.0973, 0.5480, 0.4029**, and the grayscale version is **13.5272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1775, 0.2208, 0.2337**, and **9.4550, 0.1701, 0.1322** is the 20% darker color. If you saturate the color by 10%, you get **22.0722, 0.1779, 0.1606**, and if you desaturate by 10%, it is **25.6569, 0.1848, 0.1785**.

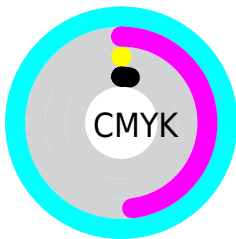
Distribution



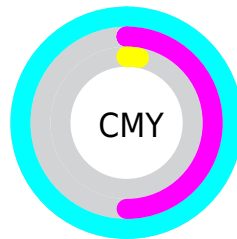
- Red (0%)
- Green (50%)
- Blue (97%)



- Red (0%)
- Yellow (33%)
- Blue (97%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (50%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1537, 0.1781, 0.1610 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 22.1537, 0.1781, 0.1610 by changing the saturation by 10% instead.

■ 22.1537, 0.1781,
0.1610

■ 22.1537, 0.1781,
0.1610

263.3479, 0.2473,
0.2432

■ 13.9699, 0.1616,
0.1426

■ 46.9999, 0.2029,
0.1896

■ 8.0997, 0.1414,
0.1206

■ 64.4311, 0.2124,
0.2008

■ 4.1588, 0.1165,
0.0945

■ 85.7135, 0.2205,
0.2104

■ 1.7628, 0.0864,
0.0646

■ 111.2315, 0.2274,
0.2187

■ 0.4638, 0.0522,
0.0294

■ 141.3696, 0.2334,
0.2260

■ 0.0000, 0.0000,
0.0000

176.5121, 0.2386,

0.2324

217.0434, 0.2432,
0.2381

■ 22.1537, 0.1781,
0.1610

■ 22.1537, 0.1781,
0.1610

■ 22.0722, 0.1779,
0.1606

■ 25.6569, 0.1848,
0.1785

■ 29.7982, 0.1937,
0.1970

■ 34.6666, 0.2050,
0.2160

■ 40.3206, 0.2183,
0.2351

■ 46.8110, 0.2331,
0.2537

■ 54.1828, 0.2489,
0.2714

■ 62.4773, 0.2651,
0.2879

■ 71.7325, 0.2815,
0.3031

■ 81.9843, 0.2976,
0.3169

Harmonies

Analogous

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



22.1537, 0.1333, 0.1723



22.1537, 0.1781, 0.1610



22.1537, 0.2639, 0.1796

Triad

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



22.1537, 0.1781, 0.1610



22.1537, 0.5478, 0.3628



22.1537, 0.2174, 0.4796

Complementary

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



22.1537, 0.1781, 0.1610



33.0973, 0.5480, 0.4029

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.



22.1537, 0.3196, 0.5597



22.1537, 0.1781, 0.1610



22.1537, 0.5113, 0.4437

Square

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



22.1537, 0.1781, 0.1610



22.1537, 0.5028, 0.2895



22.1537, 0.4252, 0.5249



22.1537, 0.1481, 0.3315

Rectangle

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



22.1537, 0.1781, 0.1610



22.1537, 0.3435, 0.2072



22.1537, 0.4252, 0.5249



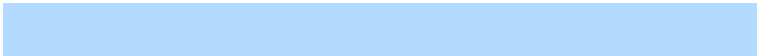
22.1537, 0.2493, 0.5198

Sweetspot

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



22.1543, 0.1781, 0.1610



66.9172, 0.2646, 0.2874



67.7469, 0.2763, 0.5145



13.4928, 0.2577, 0.2806



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.



22.1543, 0.1781, 0.1610



23.6847, 0.1779, 0.1603



6.9081, 0.1505, 0.0616



17.3442, 0.2980, 0.3173



11.9645, 0.1787, 0.1634



1.2574, 0.1849, 0.1855

Inverse Universe

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



21.3373, 0.4918, 0.2484



22.9221, 0.4927, 0.2488



81.3478, 0.4253, 0.5004



16.6256, 0.3212, 0.3168



11.3072, 0.4888, 0.2466



1.0146, 0.4620, 0.2319

Previews

White Background



This preview shows how the Yxy color 22.1537, 0.1781, 0.1610 looks on a white background.

Color Contrast Check

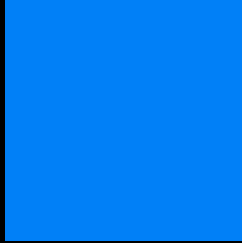
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1537, 0.1781, 0.1610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

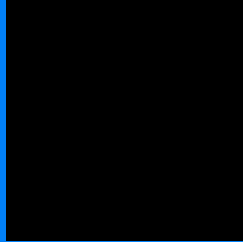
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

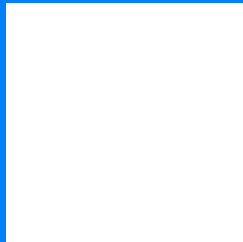
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1537, 0.1781, 0.1610

Background



This preview shows how black text looks on a background with the Yxy color 22.1537, 0.1781, 0.1610.



This preview shows how white text looks on a background with the Yxy color 22.1537, 0.1781, 0.1610.

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

22.1602, 0.1781, 0.1610

Protanopia

22.2889, 0.1887, 0.1632

Deuteranopia

22.2157, 0.1836, 0.1810



Tritanopia

21.9448, 0.2191, 0.3088

Trichromacy



Original Color

22.1602, 0.1781, 0.1610

Protanomaly

21.9857, 0.1826, 0.1615

Deuteranomaly

22.2887, 0.1817, 0.1742

Tritanomaly

21.7648, 0.2005, 0.2416

Monochromacy



Original Color

22.1602, 0.1781, 0.1610

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.1131, 0.2242, 0.2427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1537, 0.1781, 0.1610 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(1, 128, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 128, 247)  
}
```

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(1, 128, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 128, 247) }
```

Border

The CSS property to change the border of an element to Yxy 22.1537, 0.1781, 0.1610 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(1, 128, 247) }
```

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

```
.border{ border-color:rgb(1, 128, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 128, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 128, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 128, 247);  
box-shadow:4px 4px 4px 4px rgb(1, 128,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1537, 0.1781, 0.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 128, 247) }
```

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

```
.background{ background-color: rgb(1, 128,  
247) }
```

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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