

Converting Colors

$Yxy(22.2826, 0.1774, 0.1585)$

Have a look what the booklet for
Yxy(22.2826, 0.1774, 0.1585)
contains.

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Color

Yxy(22.3469, 0.1775, 0.1587)

Conversions

Conversions Part 1

Format	Color
Hex	0180FA
RGB	1, 128, 250
RGB Percent	0%, 50%, 98%
CMY	0.9949, 0.4981, 0.0194
CMYK	0.99, 0.49, 0.00, 0.02
HSL	209°, 99%, 49%
HSV	209°, 99%, 98%
XYZ	24.9942, 22.3469, 93.4712
YIQ	103.9350, -114.8540, 11.0180

Conversions

Conversions Part 2

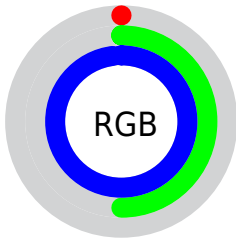
Format	Color
R _Y B	1, 85, 250
Decimal	98554
CIE Lab	54.39, 16.92, -68.71
CIE LCh	54, 70.764, 283.830
Yxy	22.3469, 0.1775, 0.1587
Android (android.graphics.Color)	4278288634 (0xFF0180FA)
YUV	103.9350, 72.0100, -90.2740
Hunter-Lab	47.2725, 11.6506, -84.1424

Details

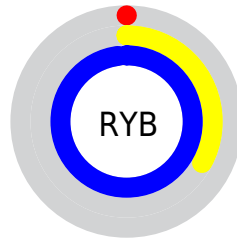
The Yxy color **22.3469, 0.1775, 0.1587** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **34.5909, 0.5452, 0.4049**, and the grayscale version is **13.6772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2420, 0.2213, 0.2338**, and **9.5876, 0.1695, 0.1300** is the 20% darker color. If you saturate the color by 10%, you get **22.1720, 0.1772, 0.1578**, and if you desaturate by 10%, it is **25.9591, 0.1843, 0.1764**.

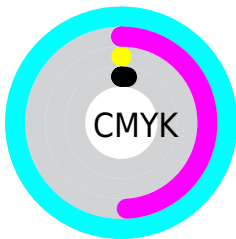
Distribution



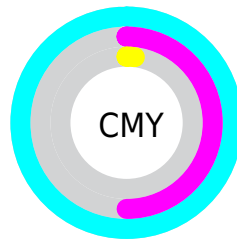
- Red (0%)
- Green (50%)
- Blue (98%)



- Red (0%)
- Yellow (33%)
- Blue (98%)



- Cyan (99%)
- Magenta (49%)
- Yellow (0%)
- Black (2%)



- Cyan (99%)
- Magenta (50%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3469, 0.1775, 0.1587 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 22.3469, 0.1775, 0.1587 by changing the saturation by 10% instead.

■ 22.3469, 0.1775,
0.1587

■ 22.3469, 0.1775,
0.1587

264.3526, 0.2468,
0.2415

■ 14.1120, 0.1611,
0.1403

■ 47.3187, 0.2023,
0.1874

■ 8.1986, 0.1410,
0.1184

■ 64.8244, 0.2118,
0.1986

■ 4.2223, 0.1163,
0.0927

■ 86.1891, 0.2199,
0.2083

■ 1.7987, 0.0865,
0.0632

■ 111.7973, 0.2268,
0.2167

■ 0.4863, 0.0527,
0.0293

■ 142.0334, 0.2328,
0.2241

■ 0.0000, 0.0000,
0.0000

177.2817, 0.2381,

0.2306

217.9266, 0.2427,
0.2364

■ 22.3469, 0.1775,
0.1587

■ 22.3469, 0.1775,
0.1587

■ 22.1720, 0.1772,
0.1578

■ 25.9591, 0.1843,
0.1764

■ 30.2438, 0.1933,
0.1952

■ 35.2904, 0.2048,
0.2145

■ 41.1597, 0.2182,
0.2339

■ 47.9043, 0.2332,
0.2528

■ 55.5712, 0.2491,
0.2708

■ 64.2032, 0.2655,
0.2876

■ 73.8401, 0.2819,
0.3031

■ 84.5191, 0.2980,
0.3171

Harmonies

Analogous

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



22.3469, 0.1315, 0.1692



22.3469, 0.1775, 0.1587



22.3469, 0.2654, 0.1782

Triad

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



22.3469, 0.1775, 0.1587



22.3469, 0.5518, 0.3641



22.3469, 0.2131, 0.4798

Complementary

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



22.3469, 0.1775, 0.1587



34.5909, 0.5452, 0.4049

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.



22.3469, 0.3162, 0.5643



22.3469, 0.1775, 0.1587



22.3469, 0.5123, 0.4463

Square

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



22.3469, 0.1775, 0.1587



22.3469, 0.5086, 0.2901



22.3469, 0.4236, 0.5293



22.3469, 0.1442, 0.3278

Rectangle

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



22.3469, 0.1775, 0.1587



22.3469, 0.3470, 0.2064



22.3469, 0.4236, 0.5293



22.3469, 0.2452, 0.5219

Sweetspot

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



22.3475, 0.1775, 0.1587



66.6077, 0.2646, 0.2867



69.7982, 0.2747, 0.5086



13.4197, 0.2576, 0.2798



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.



22.3475, 0.1775, 0.1587



23.1503, 0.1771, 0.1576



7.0315, 0.1504, 0.0610



18.1046, 0.2980, 0.3171



12.0456, 0.1780, 0.1606



1.3279, 0.1839, 0.1819

Inverse Universe

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



21.9180, 0.4947, 0.2501



22.8682, 0.4961, 0.2507



86.1819, 0.4222, 0.5028



17.3728, 0.3214, 0.3170



11.6269, 0.4923, 0.2486



1.0983, 0.4662, 0.2342

Previews

White Background



This preview shows how the Yxy color 22.3469, 0.1775, 0.1587 looks on a white background.

Color Contrast Check

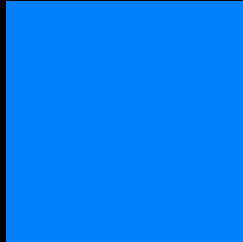
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3469, 0.1775, 0.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

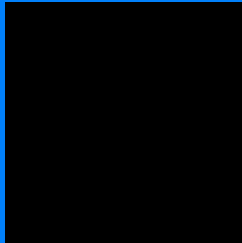
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

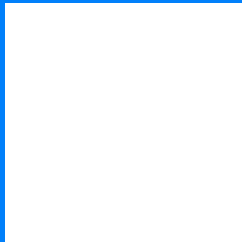
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3469, 0.1775, 0.1587

Background



This preview shows how black text looks on a background with the Yxy color 22.3469, 0.1775, 0.1587.



This preview shows how white text looks on a background with the Yxy color 22.3469, 0.1775, 0.1587.

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

22.3469, 0.1775, 0.1587

Protanopia

22.3433, 0.1866, 0.1604

Deuteranopia

22.2721, 0.1834, 0.1801



Tritanopia

22.2464, 0.2197, 0.3108

Trichromacy



Original Color

22.3469, 0.1775, 0.1587

Protanomaly

22.1304, 0.1814, 0.1591

Deuteranomaly

22.4056, 0.1812, 0.1724

Tritanomaly

21.8078, 0.2001, 0.2402

Monochromacy



Original Color

22.3469, 0.1775, 0.1587

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.4379, 0.2240, 0.2417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3469, 0.1775, 0.1587 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(1, 128, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 128, 250) }
```

Border

The CSS property to change the border of an element to Yxy 22.3469, 0.1775, 0.1587 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, 250) }
```

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

```
.border{ border-color:rgb(1, 128, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 128, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 128, 250);  
box-shadow:4px 4px 4px 4px rgb(1, 128,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3469, 0.1775, 0.1587 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, 250) }
```

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

```
.background{ background-color: rgb(1, 128,  
250) }
```

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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