

Converting Colors

$Yxy(23.0575, 0.1777, 0.1598)$

Have a look what the booklet for
Yxy(23.0575, 0.1777, 0.1598)
contains.

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Color

Yxy(22.9935, 0.1778, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	0082FC
RGB	0, 130, 252
RGB Percent	0%, 51%, 99%
CMY	0.9990, 0.4902, 0.0119
CMYK	1.00, 0.48, 0.00, 0.01
HSL	209°, 100%, 49%
HSV	209°, 100%, 99%
XYZ	25.5515, 22.9935, 95.1643
YIQ	105.0380, -116.6420, 10.3820

Conversions

Conversions Part 2

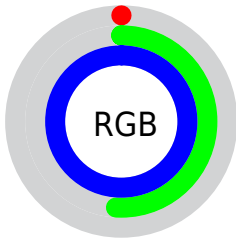
Format	Color
R _{YB}	0, 86, 252
Decimal	33532
CIE _{Lab}	55.07, 16.38, -68.69
CIE _{LCh}	55, 70.620, 283.412
Y _{xy}	22.9935, 0.1778, 0.1600
Android (android.graphics.Color)	4278223612 (0xFF0082FC)
YUV	105.0380, 72.4523, -92.1183
Hunter-Lab	47.9515, 11.2006, -84.1005

Details

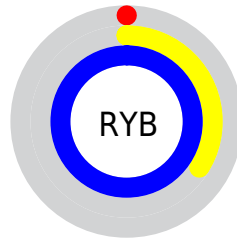
The Yxy color **22.9935, 0.1778, 0.1600** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **34.6656, 0.5479, 0.4031**, and the grayscale version is **13.9829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1206, 0.2223, 0.2365**, and **9.9296, 0.1701, 0.1325** is the 20% darker color. If you saturate the color by 10%, you get **22.9597, 0.1777, 0.1598**, and if you desaturate by 10%, it is **26.6481, 0.1844, 0.1775**.

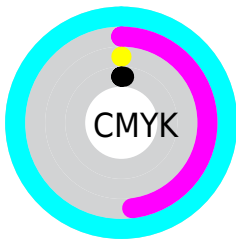
Distribution



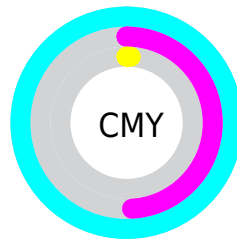
- Red (0%)
- Green (51%)
- Blue (99%)



- Red (0%)
- Yellow (34%)
- Blue (99%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (49%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9935, 0.1778, 0.1600 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 22.9935, 0.1778, 0.1600 by changing the saturation by 10% instead.


 22.9935, 0.1778,
0.1600


 22.9935, 0.1778,
0.1600


267.6916, 0.2467,
0.2420


 14.5887, 0.1615,
0.1418


 48.3827, 0.2024,
0.1884

 8.5312, 0.1417,
0.1202


 66.1358, 0.2118,
0.1995

 4.4367, 0.1173,
0.0946

 87.7739, 0.2198,
0.2091

 1.9207, 0.0879,
0.0654

 113.6812, 0.2267,
0.2174

 0.5608, 0.0542,
0.0325

 144.2423, 0.2327,
0.2247

 0.0000, 0.0000,
0.0000

179.8414, 0.2380,

0.2312

220.8631, 0.2426,
0.2369

■ 22.9935, 0.1778,
0.1600

■ 22.9935, 0.1778,
0.1600

■ 22.9597, 0.1777,
0.1598

■ 26.6481, 0.1844,
0.1775

■ 30.9718, 0.1933,
0.1961

■ 36.0591, 0.2046,
0.2152

■ 41.9720, 0.2179,
0.2343

■ 48.7638, 0.2327,
0.2530

■ 56.4823, 0.2485,
0.2708

■ 65.1708, 0.2648,
0.2875

■ 74.8697, 0.2812,
0.3028

■ 85.6164, 0.2973,
0.3167

Harmonies

Analogous

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



22.9935, 0.1325, 0.1710



22.9935, 0.1778, 0.1600



22.9935, 0.2645, 0.1790

Triad

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



22.9935, 0.1778, 0.1600



22.9935, 0.5495, 0.3633



22.9935, 0.2156, 0.4798

Complementary

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



22.9935, 0.1778, 0.1600



34.6656, 0.5479, 0.4031

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.



22.9935, 0.3182, 0.5617



22.9935, 0.1778, 0.1600



22.9935, 0.5118, 0.4448

Square

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



22.9935, 0.1778, 0.1600



22.9935, 0.5052, 0.2897



22.9935, 0.4246, 0.5268



22.9935, 0.1464, 0.3300

Rectangle

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



22.9935, 0.1778, 0.1600



22.9935, 0.3449, 0.2068



22.9935, 0.4246, 0.5268



22.9935, 0.2476, 0.5207

Sweetspot

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



22.9941, 0.1778, 0.1600



66.8516, 0.2646, 0.2873



71.0089, 0.2749, 0.5094



13.4773, 0.2577, 0.2804



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.



22.9941, 0.1778, 0.1600



23.5708, 0.1777, 0.1597



7.1248, 0.1502, 0.0608



18.1229, 0.2980, 0.3172



12.2595, 0.1785, 0.1627



1.3478, 0.1844, 0.1838

Inverse Universe

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



22.3078, 0.4931, 0.2490



22.9106, 0.4935, 0.2492



87.6895, 0.4223, 0.5029



17.3746, 0.3213, 0.3168



11.6485, 0.4897, 0.2471



1.1003, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 22.9935, 0.1778, 0.1600 looks on a white background.

Color Contrast Check

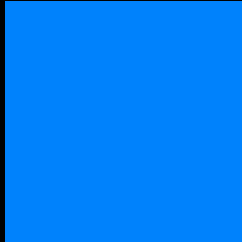
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9935, 0.1778, 0.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

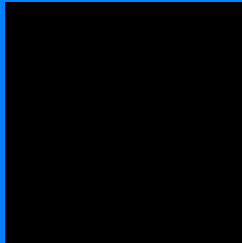
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

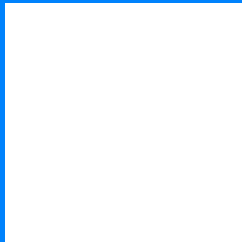
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9935, 0.1778, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 22.9935, 0.1778, 0.1600.



This preview shows how white text looks on a background with the Yxy color 22.9935, 0.1778, 0.1600.

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

22.9935, 0.1778, 0.1600

Protanopia

23.0751, 0.1877, 0.1620

Deuteranopia

22.9907, 0.1835, 0.1804



Tritanopia

22.9243, 0.2197, 0.3110

Trichromacy



Original Color

22.9935, 0.1778, 0.1600

Protanomaly

22.7916, 0.1819, 0.1604

Deuteranomaly

23.1259, 0.1814, 0.1728

Tritanomaly

22.4739, 0.2003, 0.2411

Monochromacy



Original Color

22.9935, 0.1778, 0.1600

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.6965, 0.2238, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9935, 0.1778, 0.1600 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, 130, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 252)  
}
```

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, 130, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 252) }
```

Border

The CSS property to change the border of an element to Yxy 22.9935, 0.1778, 0.1600 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, 130, 252) }
```

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

```
.border{ border-color:rgb(0, 130, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9935, 0.1778, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 252) }
```

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

```
.background{ background-color: rgb(0, 130,  
252) }
```

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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