

Converting Colors

$Y_{xy}(22.7460, 0.1766, 0.1556)$

Have a look what the booklet for
Yxy(22.7460, 0.1766, 0.1556)
contains.

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Color

Yxy(22.6648, 0.1765, 0.1552)

Conversions

Conversions Part 1

Format	Color
Hex	0180FF
RGB	1, 128, 255
RGB Percent	0%, 50%, 100%
CMY	0.9966, 0.4980, 0.0001
CMYK	1.00, 0.50, 0.00, 0.00
HSL	210°, 100%, 50%
HSV	210°, 100%, 100%
XYZ	25.7754, 22.6648, 97.5959
YIQ	104.5050, -116.4590, 12.5730

Conversions

Conversions Part 2

Format	Color
R _Y B	1, 86, 255
Decimal	98559
CIE Lab	54.73, 18.79, -70.90
CIE LCh	55, 73.342, 284.842
Yxy	22.6648, 0.1765, 0.1552
Android (android.graphics.Color)	4278288639 (0xFF0180FF)
YUV	104.5050, 74.1940, -90.7739
Hunter-Lab	47.6076, 13.3290, -88.2197

Details

The Yxy color **22.6648, 0.1765, 0.1552** 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 **36.6446, 0.5431, 0.4068**, and the grayscale version is **13.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3732, 0.2222, 0.2340**, and **9.7685, 0.1687, 0.1273** is the 20% darker color. If you saturate the color by 10%, you get **22.5484, 0.1763, 0.1546**, and if you desaturate by 10%, it is **26.4189, 0.1833, 0.1731**.

Distribution



- Red (0%)
- Green (50%)
- Blue (100%)



- Red (0%)
- Yellow (34%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6648, 0.1765, 0.1552 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 22.6648, 0.1765, 0.1552 by changing the saturation by 10% instead.


 22.6648, 0.1765,
0.1552


 22.6648, 0.1765,
0.1552


265.9986, 0.2460,
0.2389


 14.3462, 0.1602,
0.1369


 47.8423, 0.2013,
0.1840

 8.3618, 0.1402,
0.1152


 65.4701, 0.2108,
0.1953


 4.3273, 0.1159,
0.0899

 86.9696, 0.2189,
0.2051

 1.8583, 0.0866,
0.0612

 112.7254, 0.2259,
0.2137

 0.5231, 0.0534,
0.0291

 143.1218, 0.2319,
0.2211

 0.0000, 0.0000,
0.0000

178.5432, 0.2372,

0.2277

219.3740, 0.2419,
0.2336

■ 22.6648, 0.1765,
0.1552

■ 22.6648, 0.1765,
0.1552

■ 22.5484, 0.1763,
0.1546

■ 26.4189, 0.1833,
0.1731

■ 30.8873, 0.1924,
0.1922

■ 36.1657, 0.2039,
0.2119

■ 42.3190, 0.2175,
0.2316

■ 49.4033, 0.2325,
0.2509

■ 57.4685, 0.2486,
0.2693

■ 66.5605, 0.2650,
0.2865

■ 76.7216, 0.2815,
0.3023

■ 87.9914, 0.2977,
0.3166

Harmonies

Analogous

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



22.6648, 0.1286, 0.1644



22.6648, 0.1765, 0.1552



22.6648, 0.2677, 0.1760

Triad

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



22.6648, 0.1765, 0.1552



22.6648, 0.5579, 0.3660



22.6648, 0.2066, 0.4803

Complementary

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



22.6648, 0.1765, 0.1552



36.6446, 0.5431, 0.4068

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.



22.6648, 0.3110, 0.5716



22.6648, 0.1765, 0.1552



22.6648, 0.5137, 0.4501

Square

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



22.6648, 0.1765, 0.1552



22.6648, 0.5175, 0.2908



22.6648, 0.4211, 0.5361



22.6648, 0.1384, 0.3222

Rectangle

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



22.6648, 0.1765, 0.1552



22.6648, 0.3523, 0.2052



22.6648, 0.4211, 0.5361



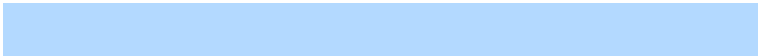
22.6648, 0.2390, 0.5252

Sweetspot

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



22.6654, 0.1765, 0.1552



66.2569, 0.2645, 0.2860



72.9518, 0.2748, 0.5091



13.3368, 0.2575, 0.2788



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.



22.6654, 0.1765, 0.1552



22.5547, 0.1763, 0.1546



7.3340, 0.1503, 0.0609



18.8797, 0.2979, 0.3168



12.0840, 0.1771, 0.1575



1.3950, 0.1828, 0.1781

Inverse Universe

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



22.8313, 0.4992, 0.2525



22.8081, 0.5000, 0.2528



90.0829, 0.4222, 0.5028



18.1387, 0.3215, 0.3172



11.9478, 0.4963, 0.2507



1.1854, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 22.6648, 0.1765, 0.1552 looks on a white background.

Color Contrast Check

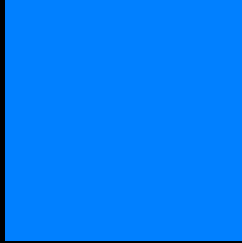
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6648, 0.1765, 0.1552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

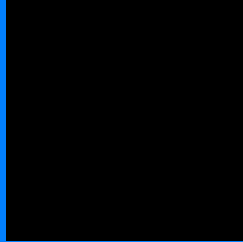
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

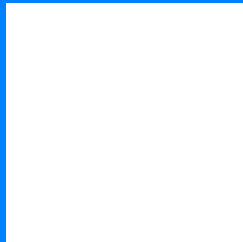
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6648, 0.1765, 0.1552

Background



This preview shows how black text looks on a background with the Yxy color 22.6648, 0.1765, 0.1552.



This preview shows how white text looks on a background with the Yxy color 22.6648, 0.1765, 0.1552.

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

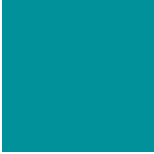
22.6648, 0.1765, 0.1552

Protanopia

22.8258, 0.1839, 0.1569

Deuteranopia

22.6013, 0.1835, 0.1807



Tritanopia

22.5839, 0.2197, 0.3109

Trichromacy



Original Color

22.6648, 0.1765, 0.1552

Protanomaly

22.6918, 0.1797, 0.1558

Deuteranomaly

22.5239, 0.1808, 0.1708

Tritanomaly

22.2268, 0.1994, 0.2378

Monochromacy



Original Color

22.6648, 0.1765, 0.1552

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.4717, 0.2220, 0.2384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6648, 0.1765, 0.1552 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 128, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.6648, 0.1765, 0.1552 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, 255) }
```

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

```
.border{ border-color:rgb(1, 128, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6648, 0.1765, 0.1552 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, 255) }
```

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

```
.background{ background-color: rgb(1, 128,  
255) }
```

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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