

Converting Colors

$Y_{xy}(17.9516, 0.1695, 0.1299)$

Have a look what the booklet for
Yxy(17.9516, 0.1695, 0.1299)
contains.

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Color

Yxy(17.9516, 0.1695, 0.1299)

Conversions

Conversions Part 1

Format	Color
Hex	016CFF
RGB	1, 108, 255
RGB Percent	0%, 42%, 100%
CMY	0.9950, 0.5765, 0.0001
CMYK	0.99, 0.58, 0.00, 0.00
HSL	215°, 100%, 50%
HSV	215°, 99%, 100%
XYZ	23.4241, 17.9516, 96.8198
YIQ	92.7650, -110.9590, 23.0330

Conversions

Conversions Part 2

Format	Color
R _Y B	1, 76, 255
Decimal	93439
CIE Lab	49.44, 31.42, -79.50
CIE LCh	49, 85.485, 291.567
Yxy	17.9516, 0.1695, 0.1299
Android (android.graphics.Color)	4278283519 (0xFF016CFF)
YUV	92.7650, 79.9819, -80.4779
Hunter-Lab	42.3693, 24.5385, -105.8273

Details

The Yxy color **17.9516, 0.1695, 0.1299** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **42.5186, 0.5192, 0.4256**, and the grayscale version is **10.7388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5937, 0.2168, 0.2064**, and **7.4765, 0.1618, 0.1025** is the 20% darker color. If you saturate the color by 10%, you get **17.7885, 0.1692, 0.1290**, and if you desaturate by 10%, it is **21.5579, 0.1768, 0.1492**.

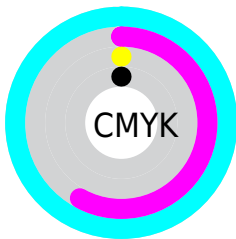
Distribution



- Red (0%)
- Green (42%)
- Blue (100%)



- Red (0%)
- Yellow (30%)
- Blue (100%)



- Cyan (99%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9516, 0.1695, 0.1299 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 17.9516, 0.1695, 0.1299 by changing the saturation by 10% instead.


 17.9516, 0.1695,
0.1299


 17.9516, 0.1695,
0.1299


240.5981, 0.2443,
0.2240

 10.9152, 0.1518,
0.1103


 39.9548, 0.1963,
0.1616


 6.0099, 0.1304,
0.0878


 55.6905, 0.2066,
0.1743


 2.8511, 0.1046,
0.0628

 75.0947, 0.2153,
0.1854

 1.0545, 0.0743,
0.0367

 98.5519, 0.2228,
0.1951

 0.0000, 0.0417,
0.0000

 126.4465, 0.2293,
0.2036

 0.0000, 0.0000,
0.0000

159.1627, 0.2349,

0.2112

197.0851, 0.2399,
0.2180

■ 17.9516, 0.1695,
0.1299

■ 17.9516, 0.1695,
0.1299

■ 17.7885, 0.1692,
0.1290

■ 21.5579, 0.1768,
0.1492

■ 26.0022, 0.1868,
0.1704

■ 31.3876, 0.1993,
0.1928

■ 37.7875, 0.2141,
0.2157

■ 45.2656, 0.2303,
0.2382

■ 53.8796, 0.2473,
0.2597

■ 63.6822, 0.2645,
0.2798

■ 74.7223, 0.2815,
0.2982

■ 87.0459, 0.2979,
0.3149

Harmonies

Analogous

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



17.9516, 0.1083, 0.1306



17.9516, 0.1695, 0.1299



17.9516, 0.2874, 0.1596

Triad

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



17.9516, 0.1695, 0.1299



17.9516, 0.5978, 0.3748



17.9516, 0.1560, 0.4782

Complementary

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



17.9516, 0.1695, 0.1299



42.5186, 0.5192, 0.4256

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.



17.9516, 0.2663, 0.6318



17.9516, 0.1695, 0.1299



17.9516, 0.5192, 0.4795

Square

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



17.9516, 0.1695, 0.1299



17.9516, 0.5869, 0.2932



17.9516, 0.3948, 0.5920



17.9516, 0.0970, 0.2757

Rectangle

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



17.9516, 0.1695, 0.1299



17.9516, 0.3976, 0.1960



17.9516, 0.3948, 0.5920



17.9516, 0.1886, 0.5487

Sweetspot

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



17.9520, 0.1695, 0.1299



63.1744, 0.2637, 0.2788



73.5603, 0.2667, 0.4799



12.6109, 0.2564, 0.2705



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.



17.9520, 0.1695, 0.1299



17.7917, 0.1692, 0.1290



7.3768, 0.1517, 0.0611



18.6335, 0.2979, 0.3149



9.5764, 0.1700, 0.1320



1.1428, 0.1762, 0.1541

Inverse Universe

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



22.3664, 0.5327, 0.2711



22.3272, 0.5341, 0.2716



89.6977, 0.4075, 0.5145



18.1139, 0.3228, 0.3190



11.6947, 0.5299, 0.2693



1.1599, 0.5006, 0.2531

Previews

White Background



This preview shows how the Yxy color 17.9516, 0.1695, 0.1299 looks on a white background.

Color Contrast Check

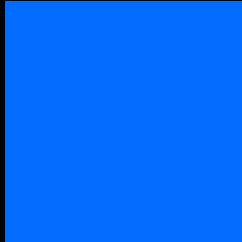
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.9516, 0.1695, 0.1299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

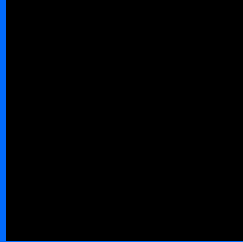
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

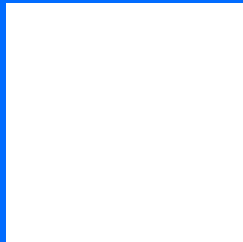
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.9516, 0.1695, 0.1299

Background



This preview shows how black text looks on a background with the Yxy color 17.9516, 0.1695, 0.1299.



This preview shows how white text looks on a background with the Yxy color 17.9516, 0.1695, 0.1299.

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

17.9516, 0.1695, 0.1299

Protanopia

17.8203, 0.1735, 0.1447

Deuteranopia

17.8407, 0.1851, 0.1861



Tritanopia

17.7714, 0.2204, 0.3134

Trichromacy



Original Color

17.9516, 0.1695, 0.1299

Protanomaly

17.9615, 0.1721, 0.1394

Deuteranomaly

17.8185, 0.1785, 0.1626

Tritanomaly

17.2144, 0.1946, 0.2204

Monochromacy



Original Color

17.9516, 0.1695, 0.1299

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.9630, 0.2154, 0.2165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9516, 0.1695, 0.1299 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, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 108, 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, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 108, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.9516, 0.1695, 0.1299 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, 108, 255) }
```

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

```
.border{ border-color:rgb(1, 108, 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, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 108, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 108, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 108,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9516, 0.1695, 0.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 108, 255) }
```

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

```
.background{ background-color: rgb(1, 108,  
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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