

Converting Colors

$Y_{xy}(36.8215, 0.1953, 0.2166)$

Have a look what the booklet for
Yxy(36.8215, 0.1953, 0.2166)
contains.

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Color

Yxy(36.9719, 0.1955, 0.2172)

Conversions

Conversions Part 1

Format	Color
Hex	1CACFF
RGB	28, 172, 255
RGB Percent	11%, 67%, 100%
CMY	0.8901, 0.3255, 0.0001
CMYK	0.89, 0.33, 0.00, 0.00
HSL	202°, 100%, 55%
HSV	202°, 89%, 100%
XYZ	33.2781, 36.9719, 99.9705
YIQ	138.4060, -112.4670, -4.7150

Conversions

Conversions Part 2

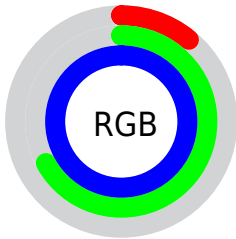
Format	Color
R _Y B	28, 116, 255
Decimal	1879295
CIE Lab	67.26, -6.46, -50.84
CIE LCh	67, 51.251, 262.764
Yxy	36.9719, 0.1955, 0.2172
Android (android.graphics.Color)	4280069375 (0xFF1CACFF)
YUV	138.4060, 57.4808, -96.8261
Hunter-Lab	60.8045, -8.7155, -54.9173

Details

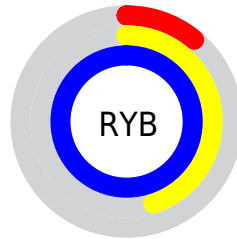
The Yxy color **36.9719, 0.1955, 0.2172** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **32.7068, 0.5560, 0.3859**, and the grayscale version is **25.3900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0097, 0.2370, 0.2953**, and **17.5102, 0.1872, 0.1938** is the 20% darker color. If you saturate the color by 10%, you get **33.3173, 0.1900, 0.2034**, and if you desaturate by 10%, it is **41.1707, 0.2031, 0.2314**.

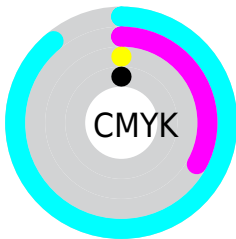
Distribution



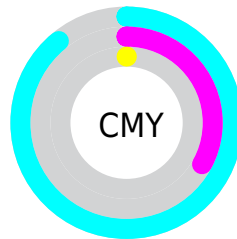
- Red (11%)
- Green (67%)
- Blue (100%)



- Red (11%)
- Yellow (45%)
- Blue (100%)



- Cyan (89%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9719, 0.1955, 0.2172 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 36.9719, 0.1955, 0.2172 by changing the saturation by 10% instead.


 36.9719, 0.1955,
0.2172


 36.9719, 0.1955,
0.2172


333.1888, 0.2523,
0.2724


 25.1857, 0.1824,
0.2042


 70.5296, 0.2154,
0.2368

 16.2155, 0.1664,
0.1881


 93.0699, 0.2231,
0.2443

 9.6768, 0.1465,
0.1679


 119.9636, 0.2297,
0.2507

 5.1852, 0.1216,
0.1422

 151.5953, 0.2355,
0.2563

 2.3563, 0.0906,
0.1094

 188.3493, 0.2405,
0.2611

 0.8033, 0.0520,
0.0690

230.6099, 0.2449,

 0.0000, 0.0000,

0.2653

0.0000

278.7617, 0.2488,
0.2691

■ 36.9719, 0.1955,
0.2172

■ 36.9719, 0.1955,
0.2172

■ 33.3173, 0.1900,
0.2034

■ 41.1707, 0.2031,
0.2314

■ 32.9756, 0.1895,
0.2020

■ 45.9903, 0.2128,
0.2457

■ 51.4874, 0.2244,
0.2599

■ 57.7097, 0.2377,
0.2736

■ 64.6993, 0.2521,
0.2867

■ 72.4943, 0.2674,
0.2990

■ 81.1299, 0.2830,
0.3103

■ 90.6386, 0.2987,
0.3206

■ 99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



36.9719, 0.1798, 0.2481



36.9719, 0.1955, 0.2172



36.9719, 0.2390, 0.2139

Triad

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



36.9719, 0.1955, 0.2172



36.9719, 0.4481, 0.3252



36.9719, 0.3027, 0.4574

Complementary

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



36.9719, 0.1955, 0.2172



32.7068, 0.5560, 0.3859

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.



36.9719, 0.3763, 0.4695



36.9719, 0.1955, 0.2172



36.9719, 0.4655, 0.3820

Square

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



36.9719, 0.1955, 0.2172



36.9719, 0.3868, 0.2735



36.9719, 0.4367, 0.4355



36.9719, 0.2357, 0.3922

Rectangle

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



36.9719, 0.1955, 0.2172



36.9719, 0.2823, 0.2250



36.9719, 0.4367, 0.4355



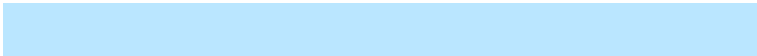
36.9719, 0.3275, 0.4679

Sweetspot

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



36.9731, 0.1955, 0.2172



74.1768, 0.2705, 0.3013



72.8241, 0.2824, 0.5286



15.2749, 0.2652, 0.2973



0.0000, 0.0000, 0.0000



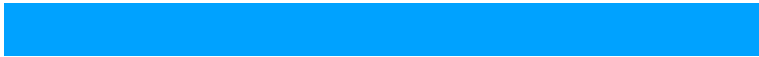
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9731, 0.1955, 0.2172



32.9820, 0.1895, 0.2020



10.9179, 0.1597, 0.0861



19.2992, 0.2980, 0.3201



17.5283, 0.1901, 0.2043



1.9150, 0.1945, 0.2201

Inverse Universe

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



25.0660, 0.4253, 0.2171



23.8607, 0.4430, 0.2214



73.0178, 0.4428, 0.4806



18.1811, 0.3194, 0.3140



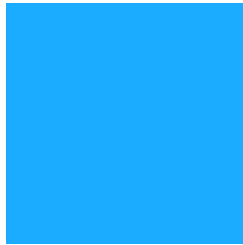
12.4975, 0.4404, 0.2200



1.2379, 0.4231, 0.2105

Previews

White Background



This preview shows how the Yxy color 36.9719, 0.1955, 0.2172 looks on a white background.

Color Contrast Check

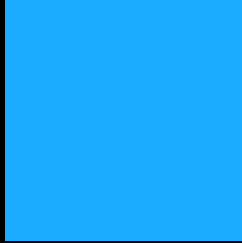
Large Text (above 18pt) WCAG AA × Fail

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 36.9719, 0.1955, 0.2172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

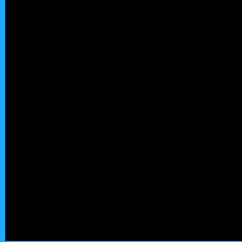
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

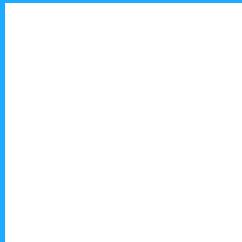
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9719, 0.1955, 0.2172

Background



This preview shows how black text looks on a background with the Yxy color 36.9719, 0.1955, 0.2172.

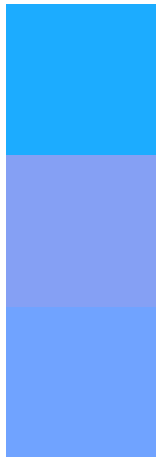


This preview shows how white text looks on a background with the Yxy color 36.9719, 0.1955, 0.2172.

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

36.9719, 0.1955, 0.2172

Protanopia

36.6598, 0.2326, 0.2210

Deuteranopia

36.8591, 0.2169, 0.2113



Tritanopia

36.9428, 0.2189, 0.3079

Trichromacy



Original Color

36.9719, 0.1955, 0.2172

Protanomaly

35.7611, 0.2123, 0.2173

Deuteranomaly

36.2418, 0.2051, 0.2118

Tritanomaly

36.8632, 0.2093, 0.2713

Monochromacy



Original Color

36.9719, 0.1955, 0.2172

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.7456, 0.2433, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9719, 0.1955, 0.2172 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(28, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 172, 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(28, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.9719, 0.1955, 0.2172 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(28, 172, 255) }
```

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

```
.border{ border-color:rgb(28, 172, 255) }
```

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

Here you see how a box with a 4 pixel rgb(28, 172, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9719, 0.1955, 0.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 172, 255) }
```

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

```
.background{ background-color: rgb(28, 172,  
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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