

Converting Colors

$Y_{xy}(36.9649, 0.2202, 0.2109)$

Have a look what the booklet for
Yxy(36.9649, 0.2202, 0.2109)
contains.

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Color

Yxy(36.9826, 0.2201, 0.2110)

Conversions

Conversions Part 1

Format	Color
Hex	77A2FF
RGB	119, 162, 255
RGB Percent	47%, 64%, 100%
CMY	0.5333, 0.3647, 0.0000
CMYK	0.53, 0.36, 0.00, 0.00
HSL	221°, 100%, 73%
HSV	221°, 53%, 100%
XYZ	38.5776, 36.9826, 99.7128
YIQ	159.7450, -55.4810, 19.8070

Conversions

Conversions Part 2

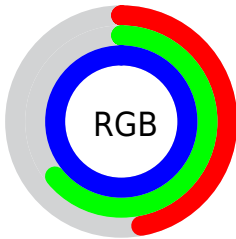
Format	Color
R _Y B	119, 152, 255
Decimal	7840511
CIE Lab	67.26, 11.30, -50.66
CIE LCh	67, 51.907, 282.577
Yxy	36.9826, 0.2201, 0.2110
Android (android.graphics.Color)	4286030591 (0xFF77A2FF)
YUV	159.7450, 46.9607, -35.7334
Hunter-Lab	60.8133, 6.8101, -54.6458

Details

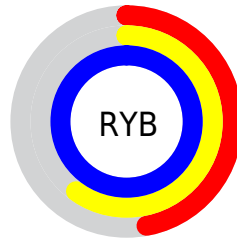
The Yxy color **36.9826, 0.2201, 0.2110** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.6782, 0.4125, 0.4220**, and the grayscale version is **34.8305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3107, 0.2642, 0.2862**, and **16.2583, 0.1953, 0.1820** is the 20% darker color. If you saturate the color by 10%, you get **29.6918, 0.2030, 0.1844**, and if you desaturate by 10%, it is **45.6115, 0.2382, 0.2370**.

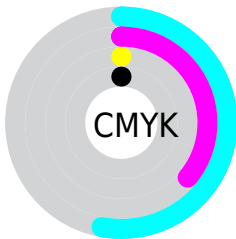
Distribution



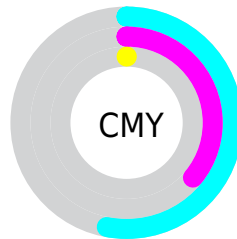
- Red (47%)
- Green (64%)
- Blue (100%)



- Red (47%)
- Yellow (60%)
- Blue (100%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9826, 0.2201, 0.2110 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 36.9826, 0.2201, 0.2110 by changing the saturation by 10% instead.


 36.9826, 0.2201,
0.2110


 36.9826, 0.2201,
0.2110


333.2352, 0.2661,
0.2676

 25.1940, 0.2091,
0.1980


 70.5460, 0.2365,
0.2308

 16.2217, 0.1954,
0.1820


 93.0897, 0.2428,
0.2385

 9.6811, 0.1781,
0.1622


 119.9871, 0.2481,
0.2451

 5.1881, 0.1556,
0.1372

151.6227, 0.2527,
0.2508

 2.3580, 0.1261,
0.1056

188.3810, 0.2567,
0.2558

 0.8042, 0.0877,
0.0668

230.6462, 0.2602,

 0.0000, 0.0000,

0.2602

0.0000

278.8028, 0.2633,
0.2641

■ 36.9826, 0.2201,
0.2110

■ 36.9826, 0.2201,
0.2110

■ 29.6918, 0.2030,
0.1844

■ 45.6115, 0.2382,
0.2370

■ 23.6611, 0.1877,
0.1584

■ 55.6431, 0.2566,
0.2616

■ 18.8083, 0.1751,
0.1340

■ 67.1415, 0.2745,
0.2844

■ 15.0377, 0.1658,
0.1126

■ 80.1659, 0.2916,
0.3050

■ 13.0498, 0.1612,
0.1004

■ 94.7718, 0.3076,
0.3234

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.9826, 0.1857, 0.2231



36.9826, 0.2201, 0.2110



36.9826, 0.2815, 0.2238

Triad

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



36.9826, 0.2201, 0.2110



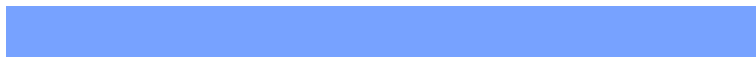
36.9826, 0.4671, 0.3627



36.9826, 0.2557, 0.4200

Complementary

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



36.9826, 0.2201, 0.2110



69.6782, 0.4125, 0.4220

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.



36.9826, 0.3279, 0.4699



36.9826, 0.2201, 0.2110



36.9826, 0.4525, 0.4192

Square

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



36.9826, 0.2201, 0.2110



36.9826, 0.4328, 0.3064



36.9826, 0.4000, 0.4633



36.9826, 0.2028, 0.3368

Rectangle

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



36.9826, 0.2201, 0.2110



36.9826, 0.3336, 0.2443



36.9826, 0.4000, 0.4633



36.9826, 0.2785, 0.4425

Sweetspot

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



36.9838, 0.2201, 0.2110



76.5395, 0.2872, 0.2997



80.1922, 0.2628, 0.3814



15.7999, 0.2837, 0.2955



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.



36.9838, 0.2201, 0.2110



29.2510, 0.2019, 0.1827



26.3375, 0.2255, 0.1643



18.3150, 0.2979, 0.3123



7.0539, 0.1620, 0.1032



0.8732, 0.1682, 0.1254

Inverse Universe

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



37.0628, 0.4185, 0.2853



30.8751, 0.4533, 0.2797



89.6860, 0.3729, 0.4661



18.0817, 0.3244, 0.3215



11.4401, 0.5710, 0.2919



1.1327, 0.5391, 0.2743

Previews

White Background



This preview shows how the Yxy color 36.9826, 0.2201, 0.2110 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 36.9826, 0.2201, 0.2110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

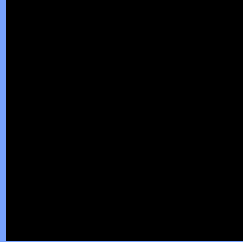
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

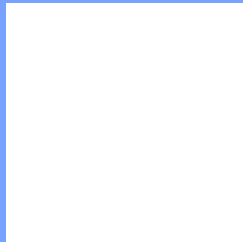
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9826, 0.2201, 0.2110

Background



This preview shows how black text looks on a background with the Yxy color 36.9826, 0.2201, 0.2110.



This preview shows how white text looks on a background with the Yxy color 36.9826, 0.2201, 0.2110.

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

36.9826, 0.2201, 0.2110

Protanopia

36.9006, 0.2259, 0.2118

Deuteranopia

36.9918, 0.2179, 0.2116



Tritanopia

36.8644, 0.2442, 0.3057

Trichromacy



Original Color

36.9826, 0.2201, 0.2110

Protanomaly

37.0055, 0.2235, 0.2115

Deuteranomaly

37.1274, 0.2189, 0.2119

Tritanomaly

36.5475, 0.2339, 0.2653

Monochromacy



Original Color

36.9826, 0.2201, 0.2110

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.4496, 0.2712, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9826, 0.2201, 0.2110 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(119, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 162, 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(119, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.9826, 0.2201, 0.2110 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(119, 162, 255) }
```

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

```
.border{ border-color:rgb(119, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9826, 0.2201, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 162, 255) }
```

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

```
.background{ background-color: rgb(119,  
162, 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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