

Converting Colors

$Y_{xy}(36.0735, 0.2235, 0.2066)$

Have a look what the booklet for
Yxy(36.0735, 0.2235, 0.2066)
contains.

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Color

Yxy(36.1857, 0.2233, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	7F9EFF
RGB	127, 158, 255
RGB Percent	50%, 62%, 100%
CMY	0.5023, 0.3803, 0.0001
CMYK	0.50, 0.38, 0.00, 0.00
HSL	225°, 100%, 75%
HSV	225°, 50%, 100%
XYZ	39.0163, 36.1857, 99.5238
YIQ	159.7890, -49.6130, 23.5950

Conversions

Conversions Part 2

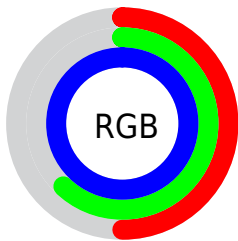
Format	Color
RYB	127, 152, 255
Decimal	8363775
CIELab	66.66, 15.30, -51.58
CIELCh	67, 53.798, 286.520
Yxy	36.1857, 0.2233, 0.2071
Android (android.graphics.Color)	4286553855 (0xFF7F9EFF)
YUV	159.7890, 46.9390, -28.7560
Hunter-Lab	60.1546, 10.5047, -55.9852

Details

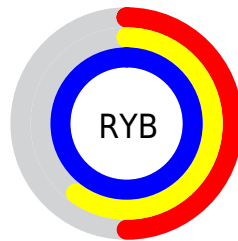
The Yxy color **36.1857, 0.2233, 0.2071** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **76.0257, 0.4012, 0.4256**, and the grayscale version is **34.8420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7461, 0.2684, 0.2810**, and **15.7509, 0.1989, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **28.3949, 0.2048, 0.1781**, and if you desaturate by 10%, it is **45.5085, 0.2424, 0.2355**.

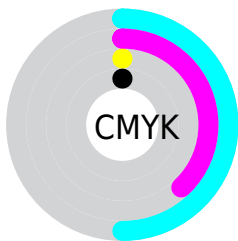
Distribution



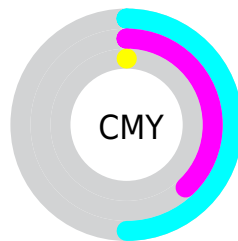
- Red (50%)
- Green (62%)
- Blue (100%)



- Red (50%)
- Yellow (60%)
- Blue (100%)



- Cyan (50%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1857, 0.2233, 0.2071 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 36.1857, 0.2233, 0.2071 by changing the saturation by 10% instead.


 36.1857, 0.2233,
0.2071


 36.1857, 0.2233,
0.2071


329.7715, 0.2681,
0.2653

 24.5777, 0.2125,
0.1938


 69.3186, 0.2393,
0.2274

 15.7627, 0.1991,
0.1775


 91.6122, 0.2454,
0.2353

 9.3564, 0.1819,
0.1574


 118.2365, 0.2506,
0.2421

 4.9744, 0.1596,
0.1321

149.5758, 0.2551,
0.2480

 2.2322, 0.1301,
0.1005

186.0146, 0.2590,
0.2531

 0.7375, 0.0916,
0.0616

227.9372, 0.2624,

 0.0000, 0.0041,

0.2577

0.0000

275.7280, 0.2654,
0.2617

■ 0.0000, 0.0000,
0.0000

■ 36.1857, 0.2233,
0.2071

■ 36.1857, 0.2233,
0.2071

■ 28.3949, 0.2048,
0.1781

■ 45.5085, 0.2424,
0.2355

■ 22.0461, 0.1881,
0.1499

■ 56.4386, 0.2614,
0.2622

■ 17.0449, 0.1740,
0.1239

■ 69.0509, 0.2796,
0.2868

■ 13.2823, 0.1636,
0.1016

■ 83.4140, 0.2967,
0.3089

■ 10.6599, 0.1568,
0.0846

■ 99.5930, 0.3124,
0.3286

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



36.1857, 0.1841, 0.2157



36.1857, 0.2233, 0.2071



36.1857, 0.2901, 0.2235

Triad

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



36.1857, 0.2233, 0.2071



36.1857, 0.4744, 0.3710



36.1857, 0.2443, 0.4139

Complementary

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



36.1857, 0.2233, 0.2071



76.0257, 0.4012, 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.



36.1857, 0.3176, 0.4733



36.1857, 0.2233, 0.2071



36.1857, 0.4524, 0.4291

Square

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



36.1857, 0.2233, 0.2071



36.1857, 0.4455, 0.3125



36.1857, 0.3938, 0.4726



36.1857, 0.1935, 0.3254

Rectangle

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



36.1857, 0.2233, 0.2071



36.1857, 0.3454, 0.2463



36.1857, 0.3938, 0.4726



36.1857, 0.2671, 0.4395

Sweetspot

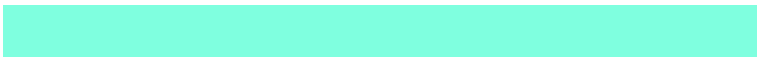
The Sweet Spot groups the original color and five complimentary colors.



36.1870, 0.2233, 0.2071



76.3502, 0.2887, 0.2987



81.3420, 0.2609, 0.3671



15.7006, 0.2851, 0.2940



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.



36.1870, 0.2233, 0.2071



28.5614, 0.2053, 0.1788



29.7367, 0.2377, 0.1771



18.0944, 0.2979, 0.3105



5.7636, 0.1575, 0.0871



0.7230, 0.1633, 0.1077

Inverse Universe

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



38.8813, 0.4203, 0.2972



32.6320, 0.4547, 0.2929



88.7238, 0.3642, 0.4616



18.0594, 0.3256, 0.3232



11.3098, 0.5957, 0.3055



1.1175, 0.5644, 0.2883

Previews

White Background



This preview shows how the Yxy color 36.1857, 0.2233, 0.2071 looks on a white background.

Color Contrast Check

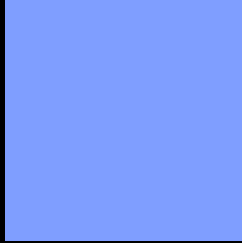
Large Text (above 18pt) WCAG AA × Fail

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 36.1857, 0.2233, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

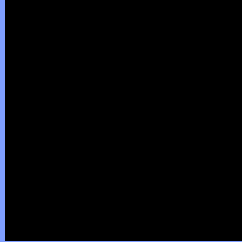
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

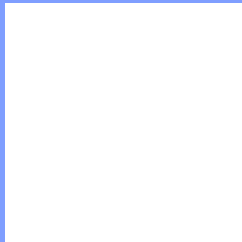
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1857, 0.2233, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 36.1857, 0.2233, 0.2071.



This preview shows how white text looks on a background with the Yxy color 36.1857, 0.2233, 0.2071.

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

36.1857, 0.2233, 0.2071

Protanopia

36.0337, 0.2222, 0.2067

Deuteranopia

36.3759, 0.2165, 0.2108



Tritanopia

36.0535, 0.2509, 0.3072

Trichromacy



Original Color

36.1857, 0.2233, 0.2071

Protanomaly

36.1093, 0.2228, 0.2069

Deuteranomaly

36.4274, 0.2192, 0.2103

Tritanomaly

35.8513, 0.2398, 0.2654

Monochromacy



Original Color

36.1857, 0.2233, 0.2071

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0323, 0.2734, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1857, 0.2233, 0.2071 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(127, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 158, 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(127, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.1857, 0.2233, 0.2071 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(127, 158, 255) }
```

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

```
.border{ border-color:rgb(127, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1857, 0.2233, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 158, 255) }
```

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

```
.background{ background-color: rgb(127,  
158, 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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