

Converting Colors

$Yxy(70.6809, 0.2342, 0.3074)$

Have a look what the booklet for
Yxy(70.6809, 0.2342, 0.3074)
contains.

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Color

Yxy(70.6132, 0.2341, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	66EDFF
RGB	102, 237, 255
RGB Percent	40%, 93%, 100%
CMY	0.6004, 0.0706, 0.0000
CMYK	0.60, 0.07, 0.00, 0.00
HSL	187°, 100%, 70%
HSV	187°, 60%, 100%
XYZ	53.8104, 70.6132, 105.4371
YIQ	198.6870, -86.2380, -23.0220

Conversions

Conversions Part 2

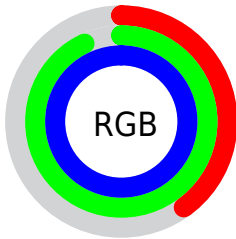
Format	Color
RYB	102, 174, 255
Decimal	6745599
CIELab	87.30, -31.61, -19.77
CIELCh	87, 37.287, 212.020
Yxy	70.6132, 0.2341, 0.3072
Android (android.graphics.Color)	4284935679 (0xFF66EDFF)
YUV	198.6870, 27.7623, -84.7945
Hunter-Lab	84.0317, -32.7514, -15.5708

Details

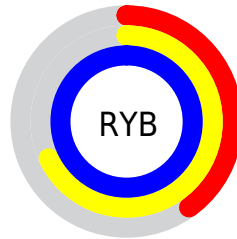
The Yxy color **70.6132, 0.2341, 0.3072** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.6249, 0.4900, 0.3468**, and the grayscale version is **56.7635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.6261, 0.2263, 0.3031**, and if you desaturate by 10%, it is **74.0868, 0.2438, 0.3113**.

Distribution



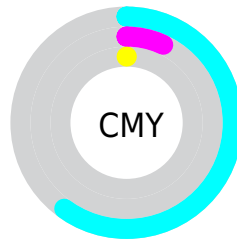
- Red (40%)
- Green (93%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6132, 0.2341, 0.3072 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 70.6132, 0.2341, 0.3072 by changing the saturation by 10% instead.

 70.6132, 0.2341,
0.3072

 70.6132, 0.2341,
0.3072


462.7001, 0.2695,
0.3184


 52.0266, 0.2263,
0.3044


 120.0828, 0.2461,
0.3113

 37.0263, 0.2169,
0.3008


 151.7346, 0.2509,
0.3128

 25.2278, 0.2052,
0.2961


 188.5103, 0.2550,
0.3141

 16.2469, 0.1903,
0.2898

230.7942, 0.2586,
0.3152

 9.6990, 0.1711,
0.2806

278.9707, 0.2618,
0.3162

 5.1999, 0.1453,
0.2668

333.4243, 0.2647,

 2.3650, 0.1100,

0.3170

0.2441

394.5393, 0.2672,
0.3178

■ 0.8078, 0.0000,
0.2161

■ 0.0000, 0.0000,
0.0000

■ 70.6132, 0.2341,
0.3072

■ 70.6132, 0.2341,
0.3072

■ 67.6261, 0.2263,
0.3031

■ 74.0868, 0.2438,
0.3113

■ 65.0823, 0.2204,
0.2989

■ 78.0856, 0.2553,
0.3153

■ 62.9296, 0.2165,
0.2948

■ 82.6438, 0.2682,
0.3191

■ 61.0892, 0.2141,
0.2908

■ 87.7924, 0.2823,
0.3227

 93.5604, 0.2972,
0.3260

99.9745, 0.3127,
0.3290

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.



70.6132, 0.2571, 0.3516



70.6132, 0.2341, 0.3072



70.6132, 0.2306, 0.2737

Triad

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



70.6132, 0.2341, 0.3072



70.6132, 0.3253, 0.2763



70.6132, 0.3798, 0.4031

Complementary

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



70.6132, 0.2341, 0.3072



35.6249, 0.4900, 0.3468

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.



70.6132, 0.4016, 0.3764



70.6132, 0.2341, 0.3072



70.6132, 0.3694, 0.3054

Square

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



70.6132, 0.2341, 0.3072



70.6132, 0.2805, 0.2590



70.6132, 0.3982, 0.3410



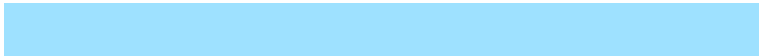
70.6132, 0.3406, 0.4106

Rectangle

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



70.6132, 0.2341, 0.3072



70.6132, 0.2394, 0.2608



70.6132, 0.3982, 0.3410



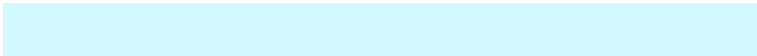
70.6132, 0.3895, 0.3958

Sweetspot

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



70.6130, 0.2341, 0.3073



88.9166, 0.2852, 0.3233



75.6895, 0.2969, 0.5038



18.6899, 0.2810, 0.3223



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

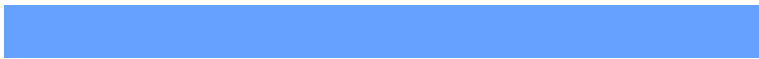
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6130, 0.2341, 0.3073



67.0935, 0.2250, 0.3023



35.3860, 0.2115, 0.2068



20.0954, 0.2980, 0.3261



32.0653, 0.2143, 0.2914



3.2208, 0.2156, 0.2961

Inverse Universe

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



36.8588, 0.3364, 0.2024



31.7250, 0.3419, 0.1861



61.8387, 0.4333, 0.4223



18.2614, 0.3156, 0.3083



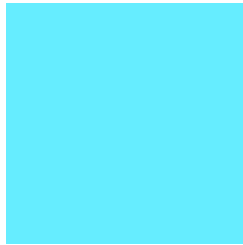
13.9650, 0.3530, 0.1718



1.3697, 0.3489, 0.1695

Previews

White Background



This preview shows how the Yxy color 70.6132, 0.2341, 0.3072 looks on a white background.

Color Contrast Check

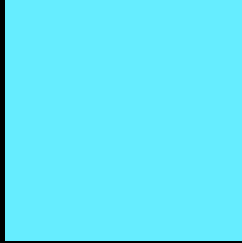
Large Text (above 18pt) WCAG AA × Fail

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 70.6132, 0.2341, 0.3072 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 70.6132, 0.2341, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 70.6132, 0.2341, 0.3072.

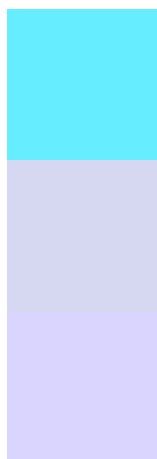


This preview shows how white text looks on a background with the Yxy color 70.6132, 0.2341, 0.3072.

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

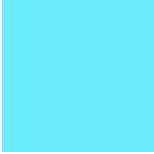
70.6132, 0.2341, 0.3072

Protanopia

69.7587, 0.2951, 0.3020

Deuteranopia

69.5602, 0.2884, 0.2847



Tritanopia

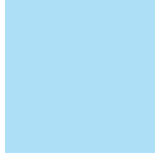
70.3991, 0.2358, 0.3061

Trichromacy



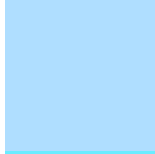
Original Color

70.6132, 0.2341, 0.3072



Protanomaly

68.8494, 0.2670, 0.3038



Deuteranomaly

68.5765, 0.2632, 0.2918



Tritanomaly

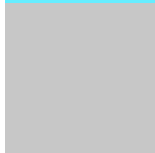
70.2751, 0.2352, 0.3061

Monochromacy



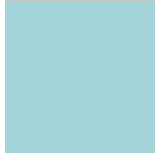
Original Color

70.6132, 0.2341, 0.3072



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.5955, 0.2753, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6132, 0.2341, 0.3072 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(102, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 237, 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(102, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.6132, 0.2341, 0.3072 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(102, 237, 255) }
```

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

```
.border{ border-color:rgb(102, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6132, 0.2341, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 237, 255) }
```

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

```
.background{ background-color: rgb(102,  
237, 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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