

Converting Colors

$Y_{xy}(70.2050, 0.2375, 0.3051)$

Have a look what the booklet for
Yxy(70.2050, 0.2375, 0.3051)
contains.

Yxy(70.2141, 0.2376, 0.3050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.2141, 0.2376, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	72EBFF
RGB	114, 235, 255
RGB Percent	45%, 92%, 100%
CMY	0.5530, 0.0784, 0.0000
CMYK	0.55, 0.08, 0.00, 0.00
HSL	189°, 100%, 72%
HSV	189°, 55%, 100%
XYZ	54.6979, 70.2141, 105.2981
YIQ	201.1010, -78.5360, -19.4320

Conversions

Conversions Part 2

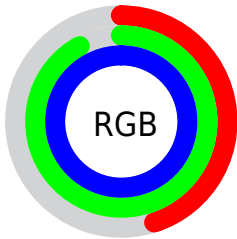
Format	Color
RYB	114, 179, 255
Decimal	7531519
CIELab	87.10, -28.51, -20.02
CIELCh	87, 34.838, 215.074
Yxy	70.2141, 0.2376, 0.3050
Android (android.graphics.Color)	4285721599 (0xFF72EBFF)
YUV	201.1010, 26.5722, -76.3876
Hunter-Lab	83.7939, -30.1202, -15.8501

Details

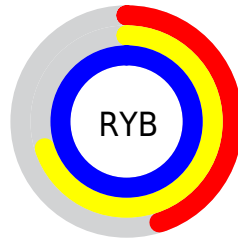
The Yxy color **70.2141, 0.2376, 0.3050** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.5167, 0.4669, 0.3495**, and the grayscale version is **58.3397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **36.7888, 0.2212, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **66.6878, 0.2285, 0.3000**, and if you desaturate by 10%, it is **74.2609, 0.2485, 0.3099**.

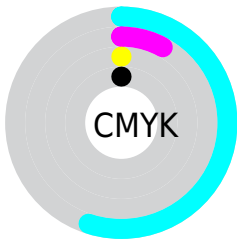
Distribution



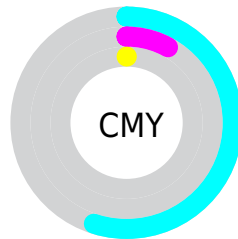
- Red (45%)
- Green (92%)
- Blue (100%)



- Red (45%)
- Yellow (70%)
- Blue (100%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2141, 0.2376, 0.3050 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 70.2141, 0.2376, 0.3050 by changing the saturation by 10% instead.


 70.2141, 0.2376,
0.3050

 70.2141, 0.2376,
0.3050

461.3014, 0.2715,
0.3171


 51.7011, 0.2301,
0.3020

 119.5140, 0.2492,
0.3094

 36.7669, 0.2210,
0.2982


 151.0697, 0.2537,
0.3110

 25.0270, 0.2097,
0.2933


 187.7418, 0.2577,
0.3124

 16.0972, 0.1954,
0.2866

229.9146, 0.2611,
0.3136

 9.5930, 0.1767,
0.2771

277.9726, 0.2642,
0.3147

 5.1299, 0.1516,
0.2629

332.3001, 0.2669,

 2.3237, 0.1168,

0.3156

0.2398

393.2816, 0.2693,
0.3164

0.7862, 0.0136,
0.2094

0.0000, 0.0000,
0.0000

70.2141, 0.2376,
0.3050

70.2141, 0.2376,
0.3050

66.6878, 0.2285,
0.3000

74.2609, 0.2485,
0.3099

63.6382, 0.2214,
0.2949

78.8614, 0.2609,
0.3147

61.0184, 0.2163,
0.2898

84.0497, 0.2746,
0.3191

58.7695, 0.2129,
0.2848

89.8556, 0.2892,
0.3233

■ 57.8018, 0.2118,
0.2825

■ 96.3073, 0.3045,
0.3271

100.0000, 0.3127,
0.3290

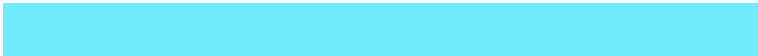
Harmonies

Analogous

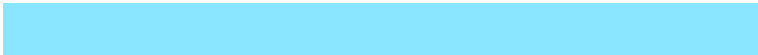
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2141, 0.2576, 0.3459



70.2141, 0.2376, 0.3050



70.2141, 0.2362, 0.2749

Triad

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



70.2141, 0.2376, 0.3050



70.2141, 0.3290, 0.2817



70.2141, 0.3726, 0.4003

Complementary

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



70.2141, 0.2376, 0.3050



39.5167, 0.4669, 0.3495

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.



70.2141, 0.3949, 0.3769



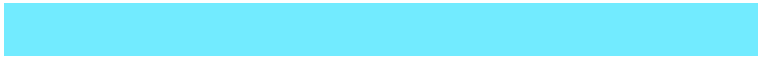
70.2141, 0.2376, 0.3050



70.2141, 0.3694, 0.3102

Square

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



70.2141, 0.2376, 0.3050



70.2141, 0.2865, 0.2641



70.2141, 0.3941, 0.3441



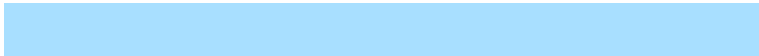
70.2141, 0.3348, 0.4045

Rectangle

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



70.2141, 0.2376, 0.3050



70.2141, 0.2457, 0.2638



70.2141, 0.3941, 0.3441



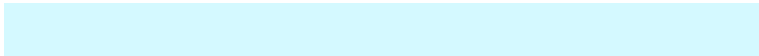
70.2141, 0.3822, 0.3941

Sweetspot

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



70.2151, 0.2376, 0.3050



88.8259, 0.2867, 0.3226



76.7832, 0.2966, 0.4855



18.7565, 0.2837, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

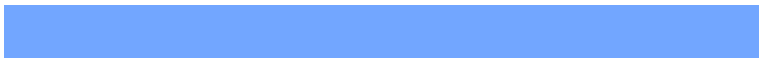
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2151, 0.2376, 0.3050



66.4605, 0.2280, 0.2996



37.9538, 0.2186, 0.2151



20.0164, 0.2980, 0.3255



30.3712, 0.2120, 0.2833



3.0723, 0.2136, 0.2890

Inverse Universe

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



39.2876, 0.3375, 0.2130



33.8052, 0.3434, 0.1966



65.3239, 0.4209, 0.4185



18.2535, 0.3160, 0.3088



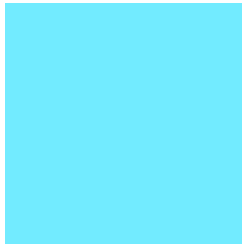
13.7940, 0.3604, 0.1759



1.3547, 0.3552, 0.1730

Previews

White Background



This preview shows how the Yxy color 70.2141, 0.2376, 0.3050 looks on a white background.

Color Contrast Check

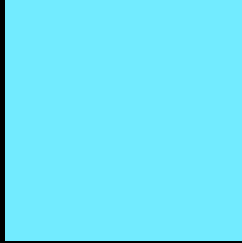
Large Text (above 18pt) WCAG AA × Fail

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 70.2141, 0.2376, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

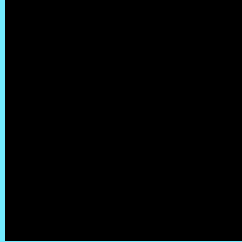
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2141, 0.2376, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 70.2141, 0.2376, 0.3050.

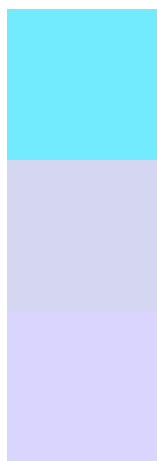


This preview shows how white text looks on a background with the Yxy color 70.2141, 0.2376, 0.3050.

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

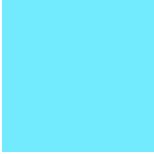
70.2141, 0.2376, 0.3050

Protanopia

69.1578, 0.2937, 0.2998

Deuteranopia

69.5602, 0.2884, 0.2847



Tritanopia

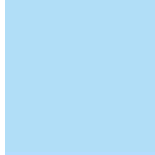
70.1498, 0.2380, 0.3062

Trichromacy



Original Color

70.2141, 0.2376, 0.3050



Protanomaly

68.3051, 0.2685, 0.3005



Deuteranomaly

68.6362, 0.2659, 0.2909



Tritanomaly

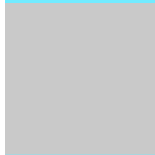
70.1498, 0.2380, 0.3062

Monochromacy



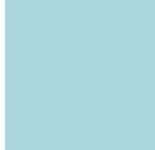
Original Color

70.2141, 0.2376, 0.3050



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2440, 0.2773, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2141, 0.2376, 0.3050 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(114, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 235, 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(114, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.2141, 0.2376, 0.3050 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(114, 235, 255) }
```

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

```
.border{ border-color:rgb(114, 235, 255) }
```

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

Here you see how a box with a 4 pixel rgb(114, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2141, 0.2376, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 235, 255) }
```

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

```
.background{ background-color: rgb(114,  
235, 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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