

Converting Colors

$Yxy(66.8657, 0.2433, 0.3160)$

Have a look what the booklet for
Yxy(66.8657, 0.2433, 0.3160)
contains.

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Color

Yxy(66.6575, 0.2430, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	74E6F1
RGB	116, 230, 241
RGB Percent	45%, 90%, 95%
CMY	0.5452, 0.0980, 0.0549
CMYK	0.52, 0.05, 0.00, 0.05
HSL	185°, 82%, 70%
HSV	185°, 52%, 95%
XYZ	51.3726, 66.6575, 93.3797
YIQ	197.1680, -71.4750, -20.7470

Conversions

Conversions Part 2

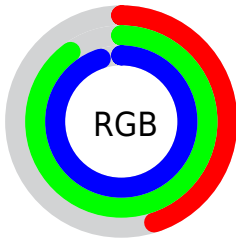
Format	Color
R _Y B	116, 176, 241
Decimal	7661297
CIE Lab	85.33, -29.48, -15.31
CIE LCh	85, 33.221, 207.442
Yxy	66.6575, 0.2430, 0.3153
Android (android.graphics.Color)	4285851377 (0xFF74E6F1)
YUV	197.1680, 21.6092, -71.1843
Hunter-Lab	81.6440, -30.5602, -10.6616

Details

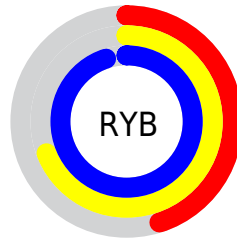
The Yxy color **66.6575, 0.2430, 0.3153** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.1297, 0.4566, 0.3412**, and the grayscale version is **55.8369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **34.4279, 0.2271, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **64.0453, 0.2340, 0.3123**, and if you desaturate by 10%, it is **69.7174, 0.2538, 0.3183**.

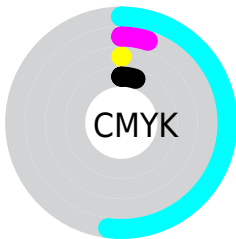
Distribution



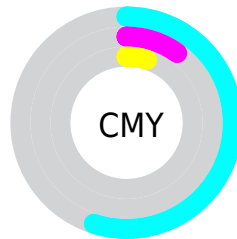
- Red (45%)
- Green (90%)
- Blue (95%)



- Red (45%)
- Yellow (69%)
- Blue (95%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6575, 0.2430, 0.3153 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 66.6575, 0.2430, 0.3153 by changing the saturation by 10% instead.


 66.6575, 0.2430,
0.3153


 66.6575, 0.2430,
0.3153


448.7247, 0.2749,
0.3226


 48.8063, 0.2358,
0.3134


 114.4295, 0.2540,
0.3180

 34.4659, 0.2271,
0.3109


 145.1191, 0.2583,
0.3190

 23.2517, 0.2161,
0.3076


 180.8571, 0.2620,
0.3199

 14.7795, 0.2020,
0.3030

222.0276, 0.2652,
0.3206

 8.6648, 0.1833,
0.2962

269.0153, 0.2681,
0.3212

 4.5232, 0.1576,
0.2853

322.2044, 0.2706,

 1.9703, 0.1209,

0.3217

0.2663

381.9794, 0.2729,
0.3222

■ 0.5901, 0.0000,
0.2348

■ 0.0000, 0.0000,
0.0000

■ 66.6575, 0.2430,
0.3153

■ 66.6575, 0.2430,
0.3153

■ 64.0453, 0.2340,
0.3123

■ 69.7174, 0.2538,
0.3183

■ 61.8393, 0.2269,
0.3092

■ 73.2476, 0.2661,
0.3211


■ 60.0029, 0.2218,
0.3062

■ 77.2783, 0.2798,
0.3238


■ 58.4893, 0.2185,
0.3032


■ 81.8348, 0.2944,
0.3263


 57.4385, 0.2169,
0.3007

 86.9408, 0.3098,
0.3286

 91.5474, 0.3218,
0.3307

 92.8213, 0.3216,
0.3327

 94.1099, 0.3215,
0.3348

 95.4133, 0.3213,
0.3368

Harmonies

Analogous

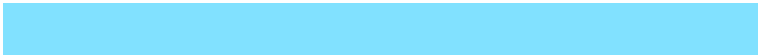
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.6575, 0.2667, 0.3557



66.6575, 0.2430, 0.3153



66.6575, 0.2369, 0.2826

Triad

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



66.6575, 0.2430, 0.3153



66.6575, 0.3178, 0.2775



66.6575, 0.3782, 0.3939

Complementary

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



66.6575, 0.2430, 0.3153



35.1297, 0.4566, 0.3412

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.



66.6575, 0.3946, 0.3681



66.6575, 0.2430, 0.3153



66.6575, 0.3587, 0.3030

Square

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



66.6575, 0.2430, 0.3153



66.6575, 0.2779, 0.2637



66.6575, 0.3876, 0.3352



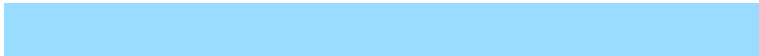
66.6575, 0.3444, 0.4033

Rectangle

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



66.6575, 0.2430, 0.3153



66.6575, 0.2431, 0.2689



66.6575, 0.3876, 0.3352



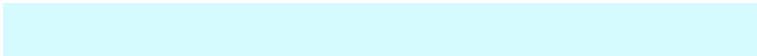
66.6575, 0.3860, 0.3866

Sweetspot

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



66.6600, 0.2430, 0.3153



90.7985, 0.2882, 0.3253



68.1398, 0.3002, 0.4820



19.2063, 0.2852, 0.3247



0.0000, 0.0000, 0.0000



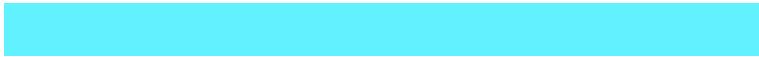
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6600, 0.2430, 0.3153



72.7242, 0.2338, 0.3122



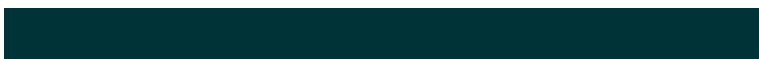
38.0904, 0.2264, 0.2325



17.6773, 0.2981, 0.3269



31.2484, 0.2170, 0.3012



2.6688, 0.2181, 0.3052

Inverse Universe

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



36.8975, 0.3289, 0.2137



36.1476, 0.3326, 0.1958



56.3154, 0.4166, 0.4073



16.0060, 0.3151, 0.3077



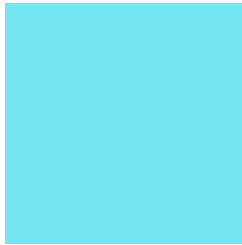
12.9479, 0.3443, 0.1670



1.0841, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 66.6575, 0.2430, 0.3153 looks on a white background.

Color Contrast Check

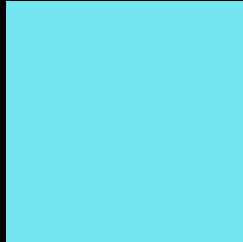
Large Text (above 18pt) WCAG AA × Fail

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 66.6575, 0.2430, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

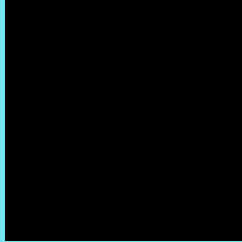
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6575, 0.2430, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 66.6575, 0.2430, 0.3153.

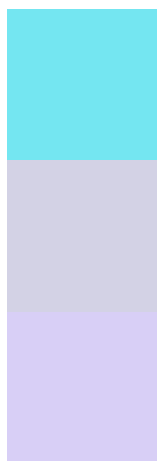


This preview shows how white text looks on a background with the Yxy color 66.6575, 0.2430, 0.3153.

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

66.6575, 0.2430, 0.3153

Protanopia

65.5992, 0.3006, 0.3079

Deuteranopia

65.8784, 0.2931, 0.2870



Tritanopia

66.6056, 0.2409, 0.3070

Trichromacy



Original Color

66.6575, 0.2430, 0.3153



Protanomaly

64.7390, 0.2751, 0.3102



Deuteranomaly

64.8358, 0.2712, 0.2957



Tritanomaly

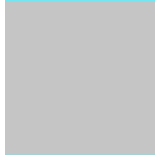
66.4131, 0.2414, 0.3093

Monochromacy



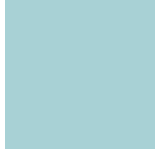
Original Color

66.6575, 0.2430, 0.3153



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.7299, 0.2811, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6575, 0.2430, 0.3153 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(116, 230, 241)` looks like.

```
.text, #text, p{  
    color:rgb(116, 230, 241)  
}
```

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(116, 230, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 230, 241) }
```

Border

The CSS property to change the border of an element to Yxy 66.6575, 0.2430, 0.3153 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(116, 230, 241) }
```

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

```
.border{ border-color:rgb(116, 230, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 230, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 230, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 230, 241);  
box-shadow:4px 4px 4px 4px rgb(116, 230,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6575, 0.2430, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 230, 241) }
```

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

```
.background{ background-color: rgb(116,  
230, 241) }
```

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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