

Converting Colors

$Yxy(72.0100, 0.2323, 0.2863)$

Have a look what the booklet for
Yxy(72.0100, 0.2323, 0.2863)
contains.

Yxy(71.0625, 0.2393, 0.3063)	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(71.0625, 0.2393, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	76ECFF
RGB	118, 236, 255
RGB Percent	46%, 93%, 100%
CMY	0.5373, 0.0745, 0.0000
CMYK	0.54, 0.07, 0.00, 0.00
HSL	188°, 100%, 73%
HSV	188°, 54%, 100%
XYZ	55.5183, 71.0625, 105.4221
YIQ	202.8840, -76.4270, -19.1070

Conversions

Conversions Part 2

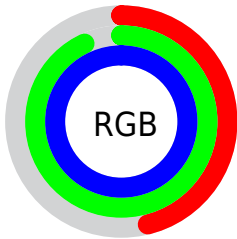
Format	Color
R _Y B	118, 181, 255
Decimal	7793919
CIE Lab	87.52, -28.23, -19.38
CIE LCh	88, 34.240, 214.478
Yxy	71.0625, 0.2393, 0.3063
Android (android.graphics.Color)	4285983999 (0xFF76ECFF)
YUV	202.8840, 25.6932, -74.4433
Hunter-Lab	84.2986, -29.9640, -15.1379

Details

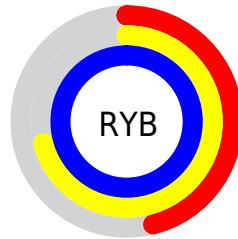
The Yxy color **71.0625, 0.2393, 0.3063** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.4542, 0.4607, 0.3486**, and the grayscale version is **59.5141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **37.3727, 0.2234, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **67.4972, 0.2300, 0.3014**, and if you desaturate by 10%, it is **75.1520, 0.2504, 0.3111**.

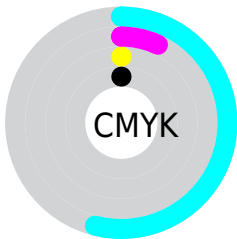
Distribution



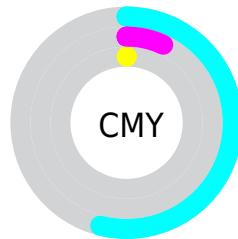
- Red (46%)
- Green (93%)
- Blue (100%)



- Red (46%)
- Yellow (71%)
- Blue (100%)



- Cyan (54%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0625, 0.2393, 0.3063 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 71.0625, 0.2393, 0.3063 by changing the saturation by 10% instead.


 71.0625, 0.2393,
0.3063

 71.0625, 0.2393,
0.3063


464.2719, 0.2724,
0.3178

 52.3932, 0.2320,
0.3035


 120.7227, 0.2506,
0.3104

 37.3186, 0.2231,
0.2999


 152.4824, 0.2550,
0.3120

 25.4543, 0.2121,
0.2952


 189.3744, 0.2589,
0.3133

 16.4158, 0.1981,
0.2889

231.7830, 0.2623,
0.3145

 9.8189, 0.1799,
0.2800

280.0927, 0.2652,
0.3155

 5.2790, 0.1553,
0.2665

334.6878, 0.2679,

 2.4119, 0.1211,

0.3163

0.2446

395.9527, 0.2703,
0.3171

0.8320, 0.0263,
0.2154

0.0000, 0.0000,
0.0000

71.0625, 0.2393,
0.3063

71.0625, 0.2393,
0.3063

67.4972, 0.2300,
0.3014

75.1520, 0.2504,
0.3111

64.4138, 0.2226,
0.2965

79.7991, 0.2630,
0.3157

61.7665, 0.2172,
0.2915

85.0369, 0.2768,
0.3200

59.4987, 0.2136,
0.2866

90.8951, 0.2916,
0.3240

■ 58.2199, 0.2121,
0.2836

■ 97.4013, 0.3069,
0.3277

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.



71.0625, 0.2593, 0.3464



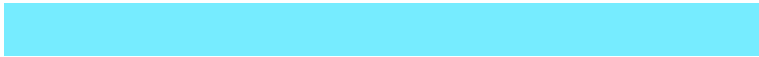
71.0625, 0.2393, 0.3063



71.0625, 0.2376, 0.2765

Triad

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



71.0625, 0.2393, 0.3063



71.0625, 0.3279, 0.2822



71.0625, 0.3720, 0.3985

Complementary

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



71.0625, 0.2393, 0.3063



40.4542, 0.4607, 0.3486

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.



71.0625, 0.3934, 0.3755



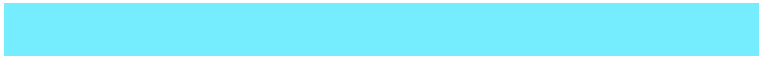
71.0625, 0.2393, 0.3063



71.0625, 0.3675, 0.3099

Square

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



71.0625, 0.2393, 0.3063



71.0625, 0.2863, 0.2652



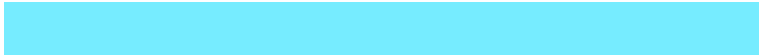
71.0625, 0.3921, 0.3432



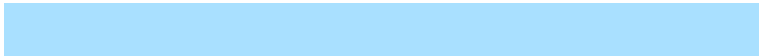
71.0625, 0.3352, 0.4030

Rectangle

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



71.0625, 0.2393, 0.3063



71.0625, 0.2466, 0.2653



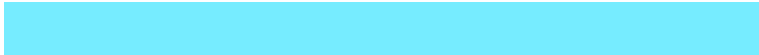
71.0625, 0.3921, 0.3432



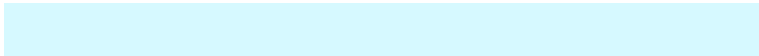
71.0625, 0.3813, 0.3924

Sweetspot

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



71.0633, 0.2393, 0.3063



89.5099, 0.2882, 0.3231



77.1554, 0.2969, 0.4804



18.8960, 0.2851, 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.



71.0633, 0.2393, 0.3063



67.4081, 0.2298, 0.3013



39.1588, 0.2213, 0.2190



20.0266, 0.2980, 0.3256



30.5867, 0.2123, 0.2844



3.0913, 0.2139, 0.2900

Inverse Universe

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



40.2699, 0.3362, 0.2154



34.7271, 0.3418, 0.1989



66.1163, 0.4174, 0.4163



18.2545, 0.3159, 0.3088



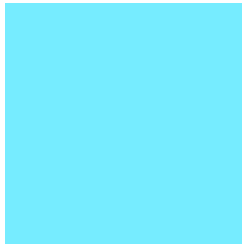
13.8157, 0.3594, 0.1754



1.3566, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 71.0625, 0.2393, 0.3063 looks on a white background.

Color Contrast Check

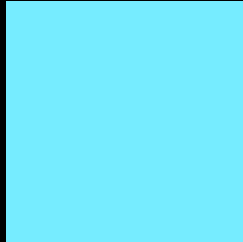
Large Text (above 18pt) WCAG AA × Fail

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 71.0625, 0.2393, 0.3063 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 71.0625, 0.2393, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 71.0625, 0.2393, 0.3063.

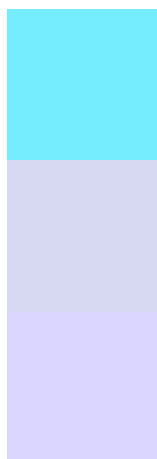


This preview shows how white text looks on a background with the Yxy color 71.0625, 0.2393, 0.3063.

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

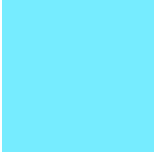
71.0625, 0.2393, 0.3063

Protanopia

69.9696, 0.2951, 0.3010

Deuteranopia

70.2186, 0.2891, 0.2859



Tritanopia

71.0625, 0.2393, 0.3063

Trichromacy



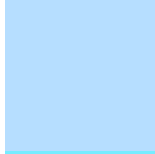
Original Color

71.0625, 0.2393, 0.3063



Protanomaly

69.1941, 0.2704, 0.3018



Deuteranomaly

69.4076, 0.2672, 0.2922



Tritanomaly

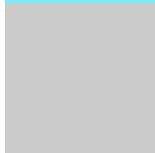
71.0625, 0.2393, 0.3063

Monochromacy



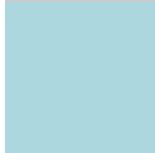
Original Color

71.0625, 0.2393, 0.3063



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.6455, 0.2788, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0625, 0.2393, 0.3063 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(118, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 236, 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(118, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.0625, 0.2393, 0.3063 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(118, 236, 255) }
```

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

```
.border{ border-color:rgb(118, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0625, 0.2393, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 236, 255) }
```

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

```
.background{ background-color: rgb(118,  
236, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor