

Converting Colors

$Y_{xy}(70.6248, 0.2255, 0.2561)$

Have a look what the booklet for
Yxy(70.6248, 0.2255, 0.2561)
contains.

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Color

Yxy(67.8478, 0.2415, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	80E5FF
RGB	128, 229, 255
RGB Percent	50%, 90%, 100%
CMY	0.4981, 0.1019, 0.0001
CMYK	0.50, 0.10, 0.00, 0.00
HSL	192°, 100%, 75%
HSV	192°, 50%, 100%
XYZ	54.9656, 67.8478, 104.7874
YIQ	201.7650, -68.5420, -13.3260

Conversions

Conversions Part 2

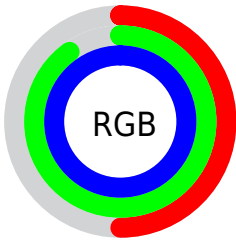
Format	Color
RYB	128, 184, 255
Decimal	8447487
CIELab	85.93, -22.79, -21.72
CIElCh	86, 31.478, 223.627
Yxy	67.8478, 0.2415, 0.2981
Android (android.graphics.Color)	4286637567 (0xFF80E5FF)
YUV	201.7650, 26.2449, -64.6919
Hunter-Lab	82.3698, -25.0335, -17.7674

Details

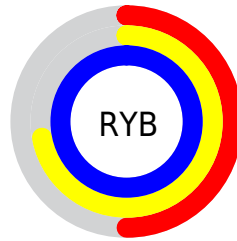
The Yxy color **67.8478, 0.2415, 0.2981** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.9083, 0.4398, 0.3562**, and the grayscale version is **58.7720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **35.0882, 0.2255, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **63.2734, 0.2306, 0.2908**, and if you desaturate by 10%, it is **73.0106, 0.2540, 0.3052**.

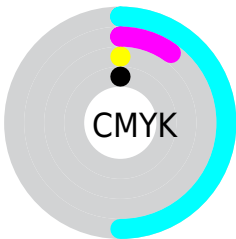
Distribution



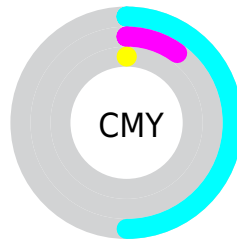
- Red (50%)
- Green (90%)
- Blue (100%)



- Red (50%)
- Yellow (72%)
- Blue (100%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8478, 0.2415, 0.2981 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 67.8478, 0.2415, 0.2981 by changing the saturation by 10% instead.


 67.8478, 0.2415,
0.2981


 67.8478, 0.2415,
0.2981


452.9566, 0.2739,
0.3133


 49.7739, 0.2343,
0.2944


 116.1344, 0.2526,
0.3035

 35.2338, 0.2255,
0.2898


 147.1159, 0.2569,
0.3056

 23.8430, 0.2146,
0.2839


 183.1687, 0.2607,
0.3074

 15.2172, 0.2006,
0.2759

224.6773, 0.2640,
0.3089

 8.9720, 0.1823,
0.2647

272.0259, 0.2669,
0.3102

 4.7229, 0.1575,
0.2482

325.5991, 0.2695,

 2.0856, 0.1226,

0.3114

0.2220

385.7812, 0.2718,
0.3124

0.6565, 0.0189,
0.1826

0.0000, 0.0000,
0.0000

67.8478, 0.2415,
0.2981

67.8478, 0.2415,
0.2981

63.2734, 0.2306,
0.2908

73.0106, 0.2540,
0.3052

59.2411, 0.2215,
0.2832

78.7890, 0.2677,
0.3119

55.7092, 0.2144,
0.2757

85.2171, 0.2823,
0.3181

52.6252, 0.2092,
0.2681

92.3244, 0.2975,
0.3239

■ 49.9057, 0.2058,
0.2607

99.9986, 0.3127,
0.3290

■ 49.8551, 0.2057,
0.2605

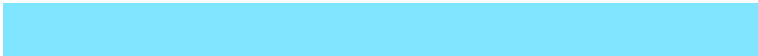
Harmonies

Analogous

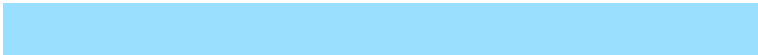
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8478, 0.2553, 0.3336



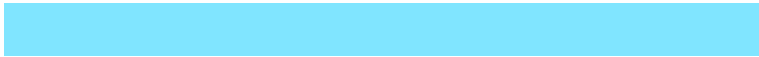
67.8478, 0.2415, 0.2981



67.8478, 0.2452, 0.2743

Triad

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



67.8478, 0.2415, 0.2981



67.8478, 0.3390, 0.2922



67.8478, 0.3589, 0.3974

Complementary

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



67.8478, 0.2415, 0.2981



45.9083, 0.4398, 0.3562

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.



67.8478, 0.3841, 0.3806



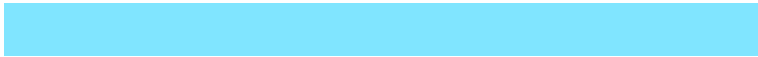
67.8478, 0.2415, 0.2981



67.8478, 0.3728, 0.3205

Square

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



67.8478, 0.2415, 0.2981



67.8478, 0.2995, 0.2726



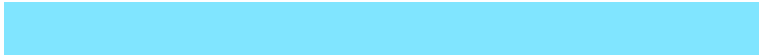
67.8478, 0.3896, 0.3522



67.8478, 0.3221, 0.3946

Rectangle

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



67.8478, 0.2415, 0.2981



67.8478, 0.2571, 0.2669



67.8478, 0.3896, 0.3522



67.8478, 0.3690, 0.3936

Sweetspot

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



67.8504, 0.2415, 0.2981



88.5642, 0.2896, 0.3209



78.4065, 0.2939, 0.4569



18.6396, 0.2864, 0.3197



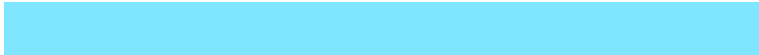
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



67.8504, 0.2415, 0.2981



63.2027, 0.2304, 0.2906



39.1077, 0.2259, 0.2176



19.8134, 0.2980, 0.3240



26.2755, 0.2061, 0.2618



2.7101, 0.2084, 0.2703

Inverse Universe

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



42.3468, 0.3421, 0.2296



36.1291, 0.3501, 0.2129



72.3774, 0.4041, 0.4184



18.2330, 0.3169, 0.3103



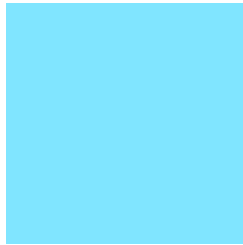
13.3805, 0.3807, 0.1871



1.3181, 0.3725, 0.1826

Previews

White Background



This preview shows how the Yxy color 67.8478, 0.2415, 0.2981 looks on a white background.

Color Contrast Check

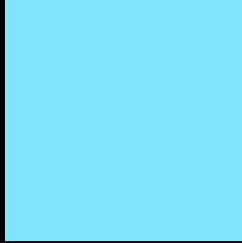
Large Text (above 18pt) WCAG AA × Fail

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 67.8478, 0.2415, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

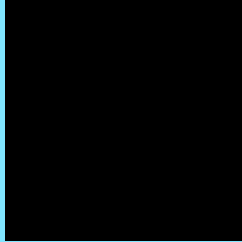
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8478, 0.2415, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 67.8478, 0.2415, 0.2981.

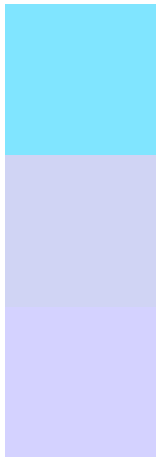


This preview shows how white text looks on a background with the Yxy color 67.8478, 0.2415, 0.2981.

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

67.8478, 0.2415, 0.2981

Protanopia

67.0285, 0.2890, 0.2940

Deuteranopia

67.3102, 0.2849, 0.2810



Tritanopia

67.8688, 0.2435, 0.3061

Trichromacy



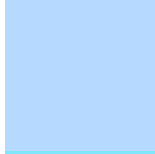
Original Color

67.8478, 0.2415, 0.2981



Protanomaly

66.5038, 0.2687, 0.2948



Deuteranomaly

66.6695, 0.2660, 0.2864



Tritanomaly

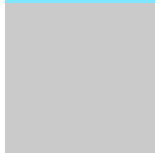
68.0707, 0.2431, 0.3038

Monochromacy



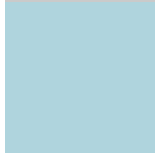
Original Color

67.8478, 0.2415, 0.2981



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.4214, 0.2811, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8478, 0.2415, 0.2981 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(128, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 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(128, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8478, 0.2415, 0.2981 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(128, 229, 255) }
```

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

```
.border{ border-color:rgb(128, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8478, 0.2415, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 255) }
```

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

```
.background{ background-color: rgb(128,  
229, 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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