

Converting Colors

$Yxy(67.8379, 0.2443, 0.3116)$

Have a look what the booklet for
Yxy(67.8379, 0.2443, 0.3116)
contains.

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Color

Yxy(67.9554, 0.2443, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	7BE7F5
RGB	123, 231, 245
RGB Percent	48%, 91%, 96%
CMY	0.5176, 0.0941, 0.0392
CMYK	0.50, 0.06, 0.00, 0.04
HSL	187°, 86%, 72%
HSV	187°, 50%, 96%
XYZ	53.2270, 67.9554, 96.6932
YIQ	200.3040, -68.8620, -18.5420

Conversions

Conversions Part 2

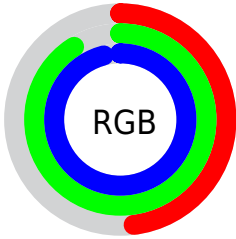
Format	Color
R_{YB}	123, 180, 245
Decimal	8120309
CIE _{Lab}	85.98, -27.46, -16.40
CIE _{LCh}	86, 31.984, 210.857
Yxy	67.9554, 0.2443, 0.3119
Android (android.graphics.Color)	4286310389 (0xFF7BE7F5)
YUV	200.3040, 22.0351, -67.7956
Hunter-Lab	82.4351, -29.0068, -11.8404

Details

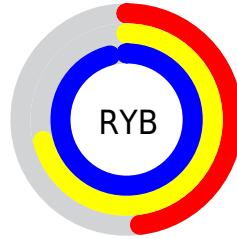
The Yxy color **67.9554, 0.2443, 0.3119** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.7388, 0.4461, 0.3444**, and the grayscale version is **57.8539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **35.2639, 0.2286, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **64.8103, 0.2346, 0.3079**, and if you desaturate by 10%, it is **71.5830, 0.2557, 0.3158**.

Distribution



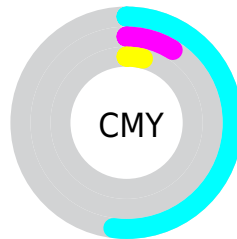
- Red (48%)
- Green (91%)
- Blue (96%)



- Red (48%)
- Yellow (71%)
- Blue (96%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)




- Cyan (52%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9554, 0.2443, 0.3119 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 67.9554, 0.2443, 0.3119 by changing the saturation by 10% instead.


 67.9554, 0.2443,
0.3119


 67.9554, 0.2443,
0.3119

453.3380, 0.2755,
0.3207

 49.8615, 0.2373,
0.3097


 116.2883, 0.2550,
0.3151

 35.3033, 0.2288,
0.3068


 147.2961, 0.2592,
0.3163

 23.8966, 0.2181,
0.3030


 183.3773, 0.2628,
0.3174

 15.2570, 0.2045,
0.2978

224.9163, 0.2660,
0.3182

 8.9999, 0.1864,
0.2903

272.2974, 0.2688,
0.3190

 4.7411, 0.1616,
0.2786

325.9052, 0.2713,

 2.0962, 0.1263,

0.3196

386.1239, 0.2735,
0.3202

0.2586

0.6625, 0.0000,
0.2331

0.0000, 0.0000,
0.0000

67.9554, 0.2443,
0.3119

67.9554, 0.2443,
0.3119

64.8103, 0.2346,
0.3079

71.5830, 0.2557,
0.3158

62.1054, 0.2267,
0.3039


75.7163, 0.2686,
0.3194

59.8040, 0.2208,
0.2998


80.3861, 0.2827,
0.3229


57.8591, 0.2168,
0.2958


85.6185, 0.2976,
0.3261


 56.1944, 0.2144,
0.2919

 91.4377, 0.3131,
0.3291

 56.1600, 0.2144,
0.2918

 94.9055, 0.3190,
0.3318

 96.6458, 0.3188,
0.3345

 98.4121, 0.3186,
0.3372

 99.3723, 0.3185,
0.3386

Harmonies

Analogous

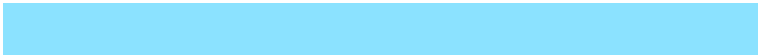
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9554, 0.2654, 0.3502



67.9554, 0.2443, 0.3119



67.9554, 0.2404, 0.2819

Triad

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



67.9554, 0.2443, 0.3119



67.9554, 0.3223, 0.2818



67.9554, 0.3725, 0.3931

Complementary

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



67.9554, 0.2443, 0.3119



38.7388, 0.4461, 0.3444

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.



67.9554, 0.3903, 0.3699



67.9554, 0.2443, 0.3119



67.9554, 0.3607, 0.3074

Square

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



67.9554, 0.2443, 0.3119



67.9554, 0.2834, 0.2671



67.9554, 0.3862, 0.3388



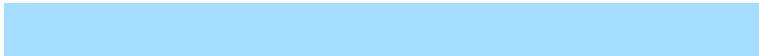
67.9554, 0.3389, 0.3996

Rectangle

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



67.9554, 0.2443, 0.3119



67.9554, 0.2477, 0.2699



67.9554, 0.3862, 0.3388



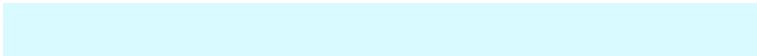
67.9554, 0.3806, 0.3868

Sweetspot

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



67.9580, 0.2443, 0.3119



90.6853, 0.2897, 0.3245



71.2707, 0.2997, 0.4724



19.1550, 0.2866, 0.3238



0.0000, 0.0000, 0.0000



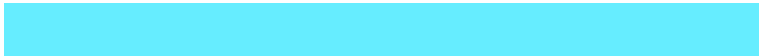
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9580, 0.2443, 0.3119



70.8718, 0.2343, 0.3078



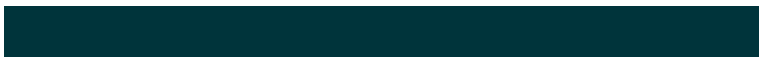
40.2388, 0.2293, 0.2344



18.4140, 0.2981, 0.3262



30.3871, 0.2146, 0.2924



2.7611, 0.2160, 0.2974

Inverse Universe

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



39.3532, 0.3313, 0.2203



36.9033, 0.3359, 0.2021



60.4158, 0.4105, 0.4065



16.7336, 0.3156, 0.3083



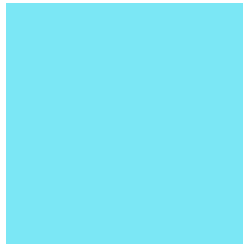
13.1670, 0.3521, 0.1714



1.1664, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 67.9554, 0.2443, 0.3119 looks on a white background.

Color Contrast Check

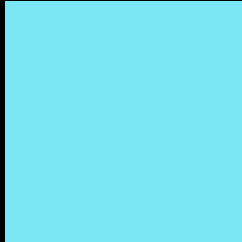
Large Text (above 18pt) WCAG AA × Fail

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 67.9554, 0.2443, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

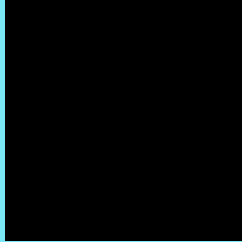
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9554, 0.2443, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 67.9554, 0.2443, 0.3119.

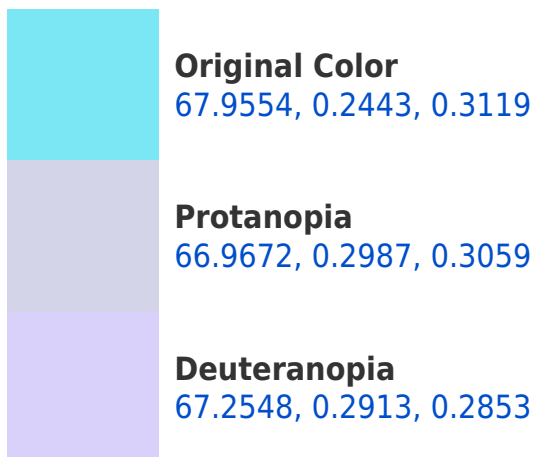


This preview shows how white text looks on a background with the Yxy color 67.9554, 0.2443, 0.3119.

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





Tritanopia

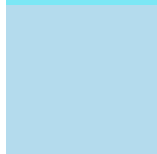
67.7183, 0.2427, 0.3060

Trichromacy



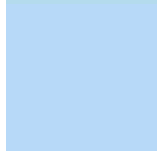
Original Color

67.9554, 0.2443, 0.3119



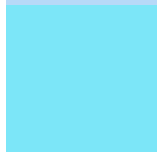
Protanomaly

66.4808, 0.2755, 0.3082



Deuteranomaly

66.4703, 0.2710, 0.2939



Tritanomaly

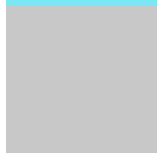
67.6560, 0.2431, 0.3072

Monochromacy



Original Color

67.9554, 0.2443, 0.3119



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.3171, 0.2821, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9554, 0.2443, 0.3119 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(123, 231, 245)` looks like.

```
.text, #text, p{  
    color:rgb(123, 231, 245)  
}
```

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(123, 231, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 231, 245) }
```

Border

The CSS property to change the border of an element to Yxy 67.9554, 0.2443, 0.3119 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(123, 231, 245) }
```

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

```
.border{ border-color:rgb(123, 231, 245) }
```

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

Here you see how a box with a 4 pixel rgb(123, 231, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 231, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 231, 245);  
box-shadow:4px 4px 4px 4px rgb(123, 231,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9554, 0.2443, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 231, 245) }
```

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

```
.background{ background-color: rgb(123,  
231, 245) }
```

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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