

Converting Colors

$Yxy(67.5624, 0.2482, 0.3301)$

Have a look what the booklet for
Yxy(67.5624, 0.2482, 0.3301)
contains.

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Color

Yxy(67.8293, 0.2486, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	75E9E7
RGB	117, 233, 231
RGB Percent	46%, 91%, 91%
CMY	0.5412, 0.0863, 0.0941
CMYK	0.50, 0.00, 0.01, 0.09
HSL	179°, 73%, 69%
HSV	179°, 50%, 91%
XYZ	50.8976, 67.8293, 86.0099
YIQ	198.0880, -68.4940, -25.2140

Conversions

Conversions Part 2

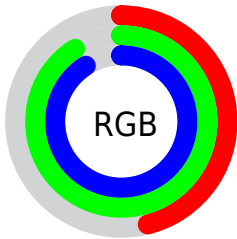
Format	Color
RYB	117, 176, 233
Decimal	7727591
CIELab	85.92, -33.29, -9.16
CIELCh	86, 34.523, 195.379
Yxy	67.8293, 0.2486, 0.3313
Android (android.graphics.Color)	4285917671 (0xFF75E9E7)
YUV	198.0880, 16.2256, -71.1142
Hunter-Lab	82.3585, -33.8145, -4.2677

Details

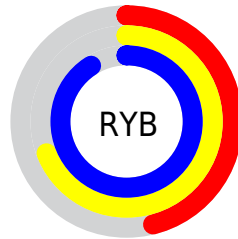
The Yxy color **67.8293, 0.2486, 0.3313** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **31.3776, 0.4515, 0.3272**, and the grayscale version is **56.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **35.3089, 0.2337, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **66.3912, 0.2404, 0.3318**, and if you desaturate by 10%, it is **69.6743, 0.2587, 0.3308**.

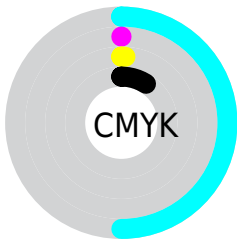
Distribution



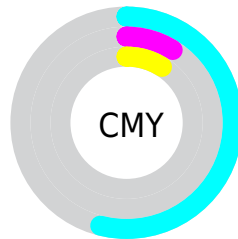
- Red (46%)
- Green (91%)
- Blue (91%)



- Red (46%)
- Yellow (69%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (54%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8293, 0.2486, 0.3313 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 67.8293, 0.2486, 0.3313 by changing the saturation by 10% instead.


 67.8293, 0.2486,
0.3313


 67.8293, 0.2486,
0.3313


452.8910, 0.2781,
0.3309


 49.7589, 0.2420,
0.3312


 116.1079, 0.2588,
0.3313

 35.2218, 0.2338,
0.3310


 147.0849, 0.2627,
0.3313

 23.8338, 0.2235,
0.3307


 183.1328, 0.2662,
0.3312

 15.2104, 0.2103,
0.3299

224.6362, 0.2691,
0.3311

 8.9672, 0.1926,
0.3285

271.9792, 0.2718,
0.3311

 4.7198, 0.1679,
0.3254

325.5465, 0.2741,

 2.0838, 0.1318,

0.3310

385.7222, 0.2762,
0.3310

0.3183

0.6555, 0.0000,
0.3176

0.0000, 0.0000,
0.0000

67.8293, 0.2486,
0.3313

67.8293, 0.2486,
0.3313

66.3912, 0.2404,
0.3318

69.6743, 0.2587,
0.3308

65.3218, 0.2341,
0.3324


71.9456, 0.2704,
0.3303

64.5889, 0.2298,
0.3330


74.6706, 0.2836,
0.3298


64.1514, 0.2272,
0.3335


77.8724, 0.2979,
0.3294

 63.9404, 0.2262,
0.3341


 81.5723, 0.3130,
0.3290

 63.9368, 0.2261,
0.3341

 85.4479, 0.3275,
0.3286

 85.4710, 0.3272,
0.3282

 85.4942, 0.3270,
0.3278

 85.5174, 0.3267,
0.3274

Harmonies

Analogous

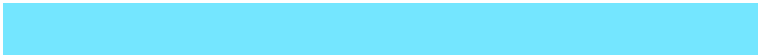
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8293, 0.2793, 0.3725



67.8293, 0.2486, 0.3313



67.8293, 0.2348, 0.2929

Triad

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



67.8293, 0.2486, 0.3313



67.8293, 0.3005, 0.2686



67.8293, 0.3898, 0.3866

Complementary

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



67.8293, 0.2486, 0.3313



31.3776, 0.4515, 0.3272

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.



67.8293, 0.3975, 0.3559



67.8293, 0.2486, 0.3313



67.8293, 0.3439, 0.2904

Square

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



67.8293, 0.2486, 0.3313



67.8293, 0.2631, 0.2602



67.8293, 0.3804, 0.3215



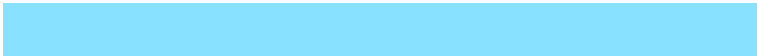
67.8293, 0.3609, 0.4045

Rectangle

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



67.8293, 0.2486, 0.3313



67.8293, 0.2361, 0.2745



67.8293, 0.3804, 0.3215



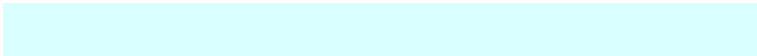
67.8293, 0.3950, 0.3773

Sweetspot

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



67.8319, 0.2486, 0.3313



93.4109, 0.2902, 0.3296



63.6200, 0.3074, 0.4863



19.8193, 0.2872, 0.3297



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.



67.8319, 0.2486, 0.3313



81.3956, 0.2400, 0.3319



41.8518, 0.2338, 0.2565



17.1171, 0.2984, 0.3294



36.2792, 0.2261, 0.3340



2.8502, 0.2259, 0.3332

Inverse Universe

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



31.3776, 0.4515, 0.3272



31.7754, 0.4995, 0.3271



47.7847, 0.4195, 0.3900



15.0583, 0.3290, 0.3286



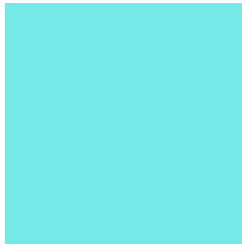
9.8367, 0.6382, 0.3289



0.7739, 0.6331, 0.3261

Previews

White Background



This preview shows how the Yxy color 67.8293, 0.2486, 0.3313 looks on a white background.

Color Contrast Check

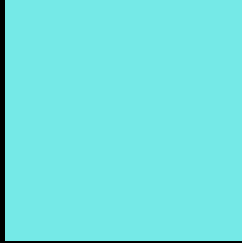
Large Text (above 18pt) WCAG AA × Fail

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 67.8293, 0.2486, 0.3313 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 67.8293, 0.2486, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 67.8293, 0.2486, 0.3313.

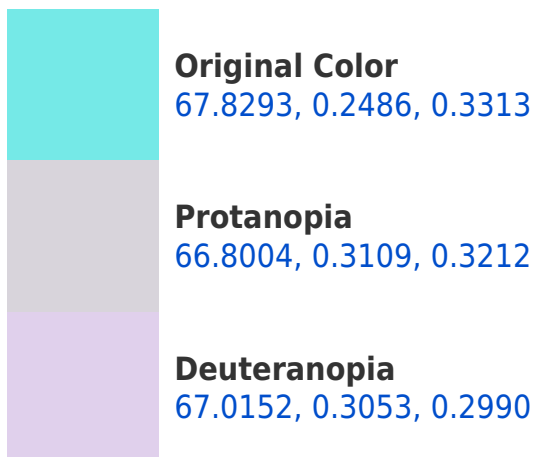


This preview shows how white text looks on a background with the Yxy color 67.8293, 0.2486, 0.3313.

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

67.6441, 0.2423, 0.3060

Trichromacy



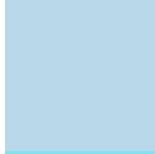
Original Color

67.8293, 0.2486, 0.3313



Protanomaly

66.2174, 0.2837, 0.3254



Deuteranomaly

65.8805, 0.2802, 0.3093



Tritanomaly

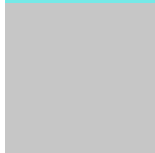
67.6276, 0.2448, 0.3154

Monochromacy



Original Color

67.8293, 0.2486, 0.3313



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.6767, 0.2838, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8293, 0.2486, 0.3313 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(117, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(117, 233, 231)  
}
```

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(117, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 233, 231) }
```

Border

The CSS property to change the border of an element to Yxy 67.8293, 0.2486, 0.3313 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(117, 233, 231) }
```

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

```
.border{ border-color:rgb(117, 233, 231) }
```

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

Here you see how a box with a 4 pixel rgb(117, 233, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(117, 233,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8293, 0.2486, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 233, 231) }
```

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

```
.background{ background-color: rgb(117,  
233, 231) }
```

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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