

Converting Colors

$Y_{xy}(70.7022, 0.2536, 0.3285)$

Have a look what the booklet for
Yxy(70.7022, 0.2536, 0.3285)
contains.

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Color

Yxy(70.4593, 0.2535, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	85EBEC
RGB	133, 235, 236
RGB Percent	52%, 92%, 93%
CMY	0.4785, 0.0784, 0.0744
CMYK	0.44, 0.00, 0.00, 0.07
HSL	181°, 73%, 72%
HSV	181°, 44%, 93%
XYZ	54.5221, 70.4593, 90.0959
YIQ	204.6160, -61.1130, -21.3130

Conversions

Conversions Part 2

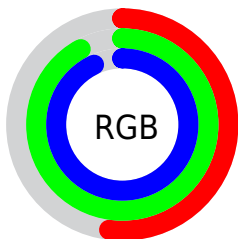
Format	Color
RYB	133, 184, 236
Decimal	8776684
CIELab	87.22, -29.47, -9.80
CIELCh	87, 31.060, 198.383
Yxy	70.4593, 0.2535, 0.3276
Android (android.graphics.Color)	4286966764 (0xFF85EBEC)
YUV	204.6160, 15.4723, -62.8072
Hunter-Lab	83.9400, -30.9529, -4.8801

Details

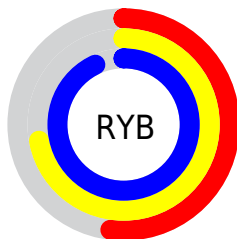
The Yxy color **70.4593, 0.2535, 0.3276** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.5815, 0.4278, 0.3305**, and the grayscale version is **60.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **36.9520, 0.2400, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **68.6192, 0.2439, 0.3273**, and if you desaturate by 10%, it is **72.7366, 0.2649, 0.3279**.

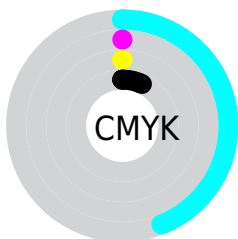
Distribution



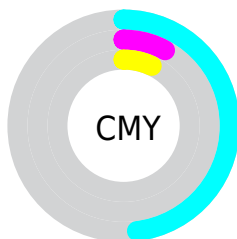
- Red (52%)
- Green (92%)
- Blue (93%)



- Red (52%)
- Yellow (72%)
- Blue (93%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4593, 0.2535, 0.3276 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 70.4593, 0.2535, 0.3276 by changing the saturation by 10% instead.

 70.4593, 0.2535,
0.3276

 70.4593, 0.2535,
0.3276


462.1610, 0.2805,
0.3289


 51.9011, 0.2474,
0.3272


 119.8635, 0.2628,
0.3282

 36.9262, 0.2400,
0.3266


 151.4783, 0.2664,
0.3283

 25.1504, 0.2307,
0.3257


 188.2140, 0.2696,
0.3285

 16.1891, 0.2186,
0.3243

230.4551, 0.2723,
0.3286

 9.6581, 0.2026,
0.3220

278.5860, 0.2748,
0.3287

 5.1728, 0.1803,
0.3181

332.9910, 0.2769,

 2.3490, 0.1476,

0.3288

0.3101

394.0545, 0.2788,
0.3288

0.7995, 0.0160,
0.3167

0.0000, 0.0000,
0.0000

70.4593, 0.2535,
0.3276

70.4593, 0.2535,
0.3276

68.6192, 0.2439,
0.3273

72.7366, 0.2649,
0.3279

67.1788, 0.2362,
0.3269

75.4695, 0.2778,
0.3283


66.1079, 0.2305,
0.3266


78.6849, 0.2919,
0.3286

65.3685, 0.2266,
0.3262

82.4058, 0.3070,
0.3289


 64.9144, 0.2245,
0.3259


 86.6531, 0.3228,
0.3292

 64.7291, 0.2238,
0.3257

 87.5375, 0.3255,
0.3294

 87.6717, 0.3255,
0.3296

 87.8061, 0.3254,
0.3299

 87.9406, 0.3254,
0.3301

Harmonies

Analogous

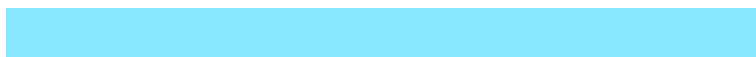
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4593, 0.2798, 0.3641



70.4593, 0.2535, 0.3276



70.4593, 0.2426, 0.2943

Triad

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



70.4593, 0.2535, 0.3276



70.4593, 0.3058, 0.2762



70.4593, 0.3795, 0.3829

Complementary

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



70.4593, 0.2535, 0.3276



36.5815, 0.4278, 0.3305

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.



70.4593, 0.3882, 0.3565



70.4593, 0.2535, 0.3276



70.4593, 0.3443, 0.2970

Square

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



70.4593, 0.2535, 0.3276



70.4593, 0.2714, 0.2675



70.4593, 0.3752, 0.3256



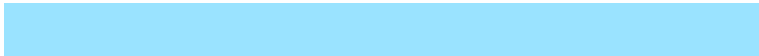
70.4593, 0.3526, 0.3966

Rectangle

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



70.4593, 0.2535, 0.3276



70.4593, 0.2450, 0.2787



70.4593, 0.3752, 0.3256



70.4593, 0.3848, 0.3751

Sweetspot

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



70.4620, 0.2535, 0.3276



94.0379, 0.2928, 0.3286



66.6806, 0.3063, 0.4652



19.9335, 0.2895, 0.3285



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.



70.4620, 0.2535, 0.3276



82.0768, 0.2452, 0.3273



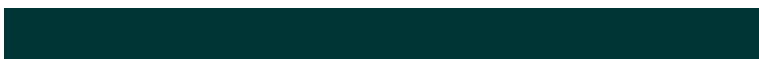
45.5346, 0.2424, 0.2624



17.0949, 0.2981, 0.3287



35.6858, 0.2238, 0.3258



2.8104, 0.2240, 0.3262

Inverse Universe

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



40.6075, 0.3186, 0.2232



42.4137, 0.3197, 0.2052



54.0207, 0.4012, 0.3865



15.3111, 0.3140, 0.3060



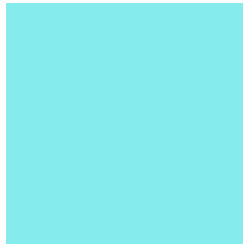
13.0953, 0.3234, 0.1555



1.0291, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 70.4593, 0.2535, 0.3276 looks on a white background.

Color Contrast Check

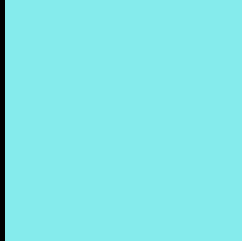
Large Text (above 18pt) WCAG AA × Fail

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 70.4593, 0.2535, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

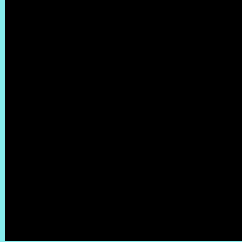
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4593, 0.2535, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 70.4593, 0.2535, 0.3276.

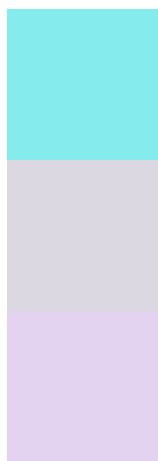


This preview shows how white text looks on a background with the Yxy color 70.4593, 0.2535, 0.3276.

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

70.4593, 0.2535, 0.3276

Protanopia

69.6080, 0.3089, 0.3192

Deuteranopia

69.2703, 0.3041, 0.2973



Tritanopia

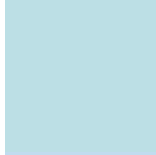
70.6461, 0.2484, 0.3077

Trichromacy



Original Color

70.4593, 0.2535, 0.3276



Protanomaly

69.1239, 0.2855, 0.3221



Deuteranomaly

68.7559, 0.2826, 0.3076



Tritanomaly

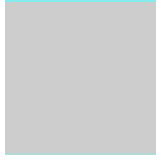
70.7337, 0.2500, 0.3146

Monochromacy



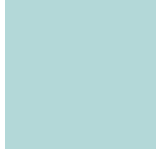
Original Color

70.4593, 0.2535, 0.3276



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.6533, 0.2870, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4593, 0.2535, 0.3276 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(133, 235, 236)` looks like.

```
.text, #text, p{  
    color:rgb(133, 235, 236)  
}
```

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(133, 235, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 235, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.4593, 0.2535, 0.3276 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(133, 235, 236) }
```

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

```
.border{ border-color:rgb(133, 235, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 235, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 235, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 235, 236);  
box-shadow:4px 4px 4px 4px rgb(133, 235,  
236) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.4593, 0.2535, 0.3276$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 235, 236) }
```

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

```
.background{ background-color: rgb(133,  
235, 236) }
```

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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