

Converting Colors

$Yxy(67.5263, 0.2725, 0.3840)$

Have a look what the booklet for
Yxy(67.5263, 0.2725, 0.3840)
contains.

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Color

Yxy(67.7345, 0.2724, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	7FEBC0
RGB	127, 235, 192
RGB Percent	50%, 92%, 75%
CMY	0.5019, 0.0784, 0.2471
CMYK	0.46, 0.00, 0.18, 0.08
HSL	156°, 73%, 71%
HSV	156°, 46%, 92%
XYZ	47.9742, 67.7345, 60.4080
YIQ	197.8060, -50.5650, -36.2690

Conversions

Conversions Part 2

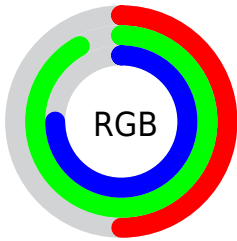
Format	Color
RYB	127, 194, 235
Decimal	8383424
CIELab	85.87, -41.01, 11.30
CIELCh	86, 42.539, 164.589
Yxy	67.7345, 0.2724, 0.3846
Android (android.graphics.Color)	4286573504 (0xFF7FEB0)
YUV	197.8060, -2.8624, -62.0969
Hunter-Lab	82.3010, -39.9770, 14.0924

Details

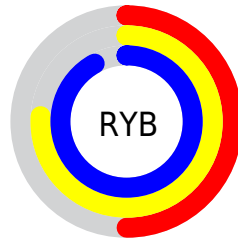
The Yxy color **67.7345, 0.2724, 0.3846** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.7456, 0.3861, 0.2810**, and the grayscale version is **56.3900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6116, 0.2760, 0.3364**, and **35.3332, 0.2617, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **65.7365, 0.2666, 0.3994**, and if you desaturate by 10%, it is **70.1851, 0.2797, 0.3706**.

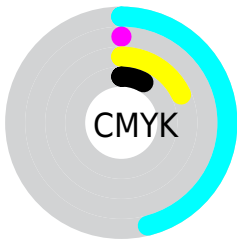
Distribution



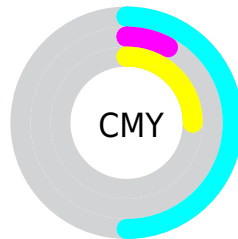
- Red (50%)
- Green (92%)
- Blue (75%)



- Red (50%)
- Yellow (76%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)




- Cyan (50%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7345, 0.2724, 0.3846 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 67.7345, 0.2724, 0.3846 by changing the saturation by 10% instead.


 67.7345, 0.2724,
0.3846

 67.7345, 0.2724,
0.3846


452.5548, 0.2917,
0.3575

 49.6818, 0.2678,
0.3911


 115.9722, 0.2792,
0.3749

 35.1606, 0.2621,
0.3994


 146.9260, 0.2819,
0.3713

 23.7866, 0.2546,
0.4102


 182.9490, 0.2841,
0.3681

 15.1754, 0.2447,
0.4248

224.4255, 0.2860,
0.3654

 8.9426, 0.2307,
0.4457

271.7399, 0.2877,
0.3631

 4.7038, 0.2097,
0.4780

325.2767, 0.2892,

 2.0745, 0.1727,

0.3610

0.5353

385.4202, 0.2906,
0.3592

0.6502, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.7345, 0.2724,
0.3846

67.7345, 0.2724,
0.3846

65.7365, 0.2666,
0.3994

70.1851, 0.2797,
0.3706

64.1528, 0.2624,
0.4148


73.1074, 0.2880,
0.3576


62.9520, 0.2603,
0.4305

76.5292, 0.2972,
0.3457


62.0945, 0.2602,
0.4461

80.4738, 0.3068,
0.3349

 61.5312, 0.2621,
0.4613

 84.9629, 0.3167,
0.3252

 61.3549, 0.2632,
0.4673

 87.4662, 0.3179,
0.3163

 87.8996, 0.3136,
0.3097

Harmonies

Analogous

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



67.7345, 0.3224, 0.4190



67.7345, 0.2724, 0.3846



67.7345, 0.2352, 0.3325

Triad

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



67.7345, 0.2724, 0.3846



67.7345, 0.2511, 0.2457



67.7345, 0.4171, 0.3592

Complementary

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



67.7345, 0.2724, 0.3846



35.7456, 0.3861, 0.2810

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.



67.7345, 0.3954, 0.3180



67.7345, 0.2724, 0.3846



67.7345, 0.2959, 0.2556

Square

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



67.7345, 0.2724, 0.3846



67.7345, 0.2241, 0.2549



67.7345, 0.3495, 0.2813



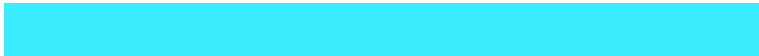
67.7345, 0.4077, 0.3974

Rectangle

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



67.7345, 0.2724, 0.3846



67.7345, 0.2216, 0.2991



67.7345, 0.3495, 0.2813



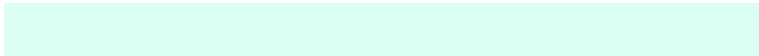
67.7345, 0.4133, 0.3454

Sweetspot

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



67.7372, 0.2724, 0.3846



92.9645, 0.2990, 0.3435



69.5208, 0.3332, 0.4618



19.6904, 0.2969, 0.3460



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.



67.7372, 0.2724, 0.3846



79.2780, 0.2669, 0.3983



63.9323, 0.2490, 0.3154



17.0144, 0.3034, 0.3385



34.1710, 0.2625, 0.4650



2.7021, 0.2567, 0.4440

Inverse Universe

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



35.7456, 0.3861, 0.2810



36.3899, 0.4093, 0.2725



37.3161, 0.4315, 0.3415



15.1534, 0.3230, 0.3197



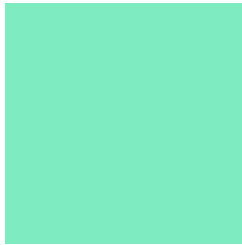
10.2991, 0.5382, 0.2738



0.8272, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 67.7345, 0.2724, 0.3846 looks on a white background.

Color Contrast Check

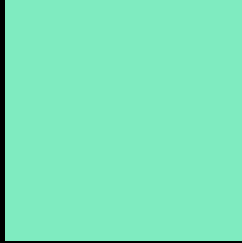
Large Text (above 18pt) WCAG AA × Fail

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 67.7345, 0.2724, 0.3846 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 67.7345, 0.2724, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 67.7345, 0.2724, 0.3846.



This preview shows how white text looks on a background with the Yxy color 67.7345, 0.2724, 0.3846.

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

67.7345, 0.2724, 0.3846

Protanopia

66.9322, 0.3445, 0.3649

Deuteranopia

66.7451, 0.3450, 0.3377



Tritanopia

67.8033, 0.2510, 0.3075

Trichromacy



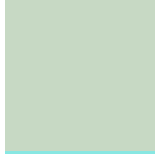
Original Color

67.7345, 0.2724, 0.3846



Protanomaly

66.0345, 0.3135, 0.3723



Deuteranomaly

65.7533, 0.3137, 0.3537



Tritanomaly

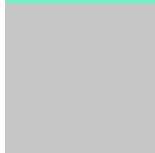
67.8771, 0.2589, 0.3350

Monochromacy



Original Color

67.7345, 0.2724, 0.3846



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3447, 0.2946, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7345, 0.2724, 0.3846 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(127, 235, 192)` looks like.

```
.text, #text, p{  
    color:rgb(127, 235, 192)  
}
```

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(127, 235, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 235, 192) }
```

Border

The CSS property to change the border of an element to Yxy 67.7345, 0.2724, 0.3846 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(127, 235, 192) }
```

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

```
.border{ border-color:rgb(127, 235, 192) }
```

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

Here you see how a box with a 4 pixel rgb(127, 235, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 235, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 235, 192);  
box-shadow:4px 4px 4px 4px rgb(127, 235,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7345, 0.2724, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 235, 192) }
```

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

```
.background{ background-color: rgb(127,  
235, 192) }
```

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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