

Converting Colors

$Y_{xy}(67.8294, 0.2659, 0.3742)$

Have a look what the booklet for
Yxy(67.8294, 0.2659, 0.3742)
contains.

Yxy(67.7244, 0.2660, 0.3740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.7244, 0.2660, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	7AEBC8
RGB	122, 235, 200
RGB Percent	48%, 92%, 78%
CMY	0.5213, 0.0785, 0.2156
CMYK	0.48, 0.00, 0.15, 0.08
HSL	161°, 74%, 70%
HSV	161°, 48%, 92%
XYZ	48.1676, 67.7244, 65.1893
YIQ	197.2230, -56.1130, -34.8410

Conversions

Conversions Part 2

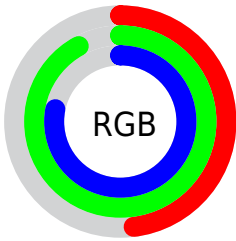
Format	Color
R_{YB}	122, 189, 235
Decimal	8055752
CIE _{Lab}	85.87, -40.45, 7.07
CIE _{LCh}	86, 41.066, 170.087
Y _{xy}	67.7244, 0.2660, 0.3740
Android (android.graphics.Color)	4286245832 (0xFF7AEB8)
YUV	197.2230, 1.3691, -65.9706
Hunter-Lab	82.2948, -39.5389, 10.6402

Details

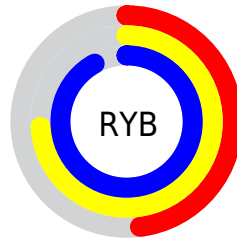
The Yxy color **67.7244, 0.2660, 0.3740** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.0309, 0.4033, 0.2900**, and the grayscale version is **56.0043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **35.3076, 0.2544, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **65.8808, 0.2597, 0.3854**, and if you desaturate by 10%, it is **70.0044, 0.2739, 0.3632**.

Distribution



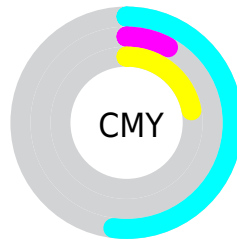
- Red (48%)
- Green (92%)
- Blue (78%)



- Red (48%)
- Yellow (74%)
- Blue (92%)



- Cyan (48%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)



- Cyan (52%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7244, 0.2660, 0.3740 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 67.7244, 0.2660, 0.3740 by changing the saturation by 10% instead.


 67.7244, 0.2660,
0.3740


 67.7244, 0.2660,
0.3740


452.5189, 0.2881,
0.3523


 49.6736, 0.2608,
0.3792


 115.9578, 0.2738,
0.3663

 35.1541, 0.2544,
0.3857

 146.9091, 0.2768,
0.3634

 23.7816, 0.2462,
0.3941


 182.9294, 0.2793,
0.3609

 15.1717, 0.2352,
0.4054

224.4030, 0.2815,
0.3587

 8.9400, 0.2201,
0.4215

271.7144, 0.2835,
0.3568

 4.7020, 0.1979,
0.4458

325.2479, 0.2852,

 2.0735, 0.1605,

0.3551

0.4880

385.3880, 0.2867,
0.3537

0.6497, 0.0000,
0.7530

0.0000, 0.0000,
0.0000

67.7244, 0.2660,
0.3740

67.7244, 0.2660,
0.3740

65.8808, 0.2597,
0.3854

70.0044, 0.2739,
0.3632

64.4348, 0.2553,
0.3971


72.7401, 0.2830,
0.3531


63.3544, 0.2528,
0.4090


75.9597, 0.2930,
0.3438


62.5986, 0.2524,
0.4209

79.6863, 0.3038,
0.3353


 62.1106, 0.2538,
0.4326

 83.9419, 0.3149,
0.3276

 62.0305, 0.2541,
0.4349

 87.1865, 0.3207,
0.3206

 87.6366, 0.3161,
0.3136

 87.8939, 0.3136,
0.3097

Harmonies

Analogous

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



67.7244, 0.3130, 0.4117



67.7244, 0.2660, 0.3740



67.7244, 0.2331, 0.3232

Triad

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



67.7244, 0.2660, 0.3740



67.7244, 0.2599, 0.2487



67.7244, 0.4141, 0.3658

Complementary

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



67.7244, 0.2660, 0.3740



34.0309, 0.4033, 0.2900

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.



67.7244, 0.3985, 0.3257



67.7244, 0.2660, 0.3740



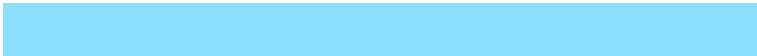
67.7244, 0.3058, 0.2614

Square

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



67.7244, 0.2660, 0.3740



67.7244, 0.2302, 0.2543



67.7244, 0.3574, 0.2887



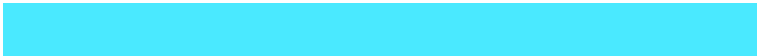
67.7244, 0.3999, 0.4010

Rectangle

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



67.7244, 0.2660, 0.3740



67.7244, 0.2225, 0.2925



67.7244, 0.3574, 0.2887



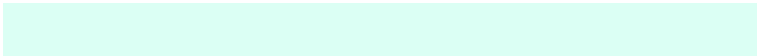
67.7244, 0.4122, 0.3525

Sweetspot

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



67.7271, 0.2660, 0.3740



93.1549, 0.2973, 0.3403



68.0718, 0.3274, 0.4713



19.7370, 0.2950, 0.3421



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.



67.7271, 0.2660, 0.3740



79.2653, 0.2596, 0.3856



58.3803, 0.2444, 0.3026



17.0378, 0.3022, 0.3364



34.5483, 0.2536, 0.4330



2.7300, 0.2491, 0.4168

Inverse Universe

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



34.0309, 0.4033, 0.2900



34.0929, 0.4345, 0.2835



38.6426, 0.4340, 0.3526



15.1309, 0.3244, 0.3217



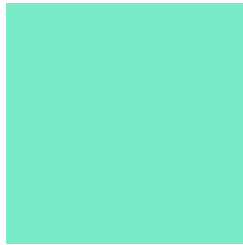
10.1160, 0.5724, 0.2927



0.8111, 0.5331, 0.2711

Previews

White Background



This preview shows how the Yxy color 67.7244, 0.2660, 0.3740 looks on a white background.

Color Contrast Check

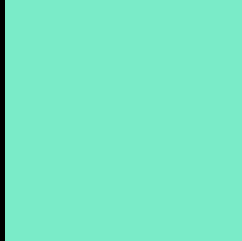
Large Text (above 18pt) WCAG AA × Fail

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 67.7244, 0.2660, 0.3740 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 67.7244, 0.2660, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 67.7244, 0.2660, 0.3740.

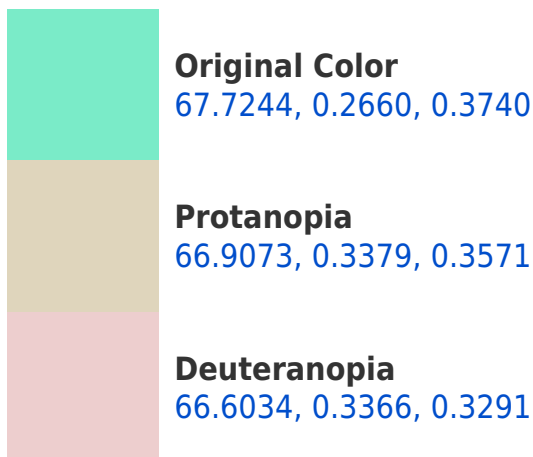


This preview shows how white text looks on a background with the Yxy color 67.7244, 0.2660, 0.3740.

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

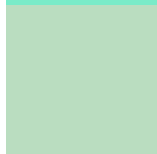
67.3531, 0.2478, 0.3062

Trichromacy



Original Color

67.7244, 0.2660, 0.3740



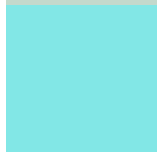
Protanomaly

65.9578, 0.3069, 0.3639



Deuteranomaly

65.5874, 0.3056, 0.3442



Tritanomaly

67.6108, 0.2542, 0.3301

Monochromacy



Original Color

67.7244, 0.2660, 0.3740



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.2118, 0.2919, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7244, 0.2660, 0.3740 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(122, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(122, 235, 200)  
}
```

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(122, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 235, 200) }
```

Border

The CSS property to change the border of an element to Yxy 67.7244, 0.2660, 0.3740 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(122, 235, 200) }
```

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

```
.border{ border-color:rgb(122, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(122, 235,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7244, 0.2660, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 235, 200) }
```

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

```
.background{ background-color: rgb(122,  
235, 200) }
```

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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