

Converting Colors

$Y_{xy}(67.7575, 0.2560, 0.3204)$

Have a look what the booklet for
Yxy(67.7575, 0.2560, 0.3204)
contains.

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Color

Yxy(67.7575, 0.2560, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	8DE5EC
RGB	141, 229, 236
RGB Percent	55%, 90%, 93%
CMY	0.4472, 0.1019, 0.0745
CMYK	0.40, 0.03, 0.00, 0.07
HSL	184°, 71%, 74%
HSV	184°, 40%, 93%
XYZ	54.1383, 67.7575, 89.5820
YIQ	203.4860, -54.6950, -16.4790

Conversions

Conversions Part 2

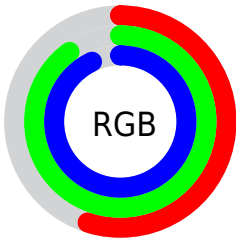
Format	Color
RYB	141, 187, 236
Decimal	9299436
CIELab	85.89, -24.69, -11.74
CIELCh	86, 27.341, 205.434
Yxy	67.7575, 0.2560, 0.3204
Android (android.graphics.Color)	4287489516 (0xFF8DE5EC)
YUV	203.4860, 16.0294, -54.8002
Hunter-Lab	82.3149, -26.6522, -6.9039

Details

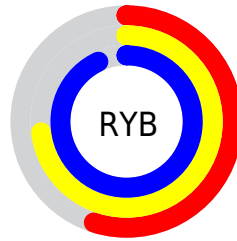
The Yxy color **67.7575, 0.2560, 0.3204** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.9185, 0.4119, 0.3372**, and the grayscale version is **59.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **35.0672, 0.2430, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **64.9520, 0.2451, 0.3180**, and if you desaturate by 10%, it is **71.0186, 0.2685, 0.3227**.

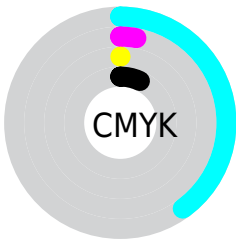
Distribution



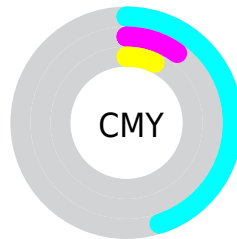
- Red (55%)
- Green (90%)
- Blue (93%)



- Red (55%)
- Yellow (73%)
- Blue (93%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (45%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7575, 0.2560, 0.3204 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 67.7575, 0.2560, 0.3204 by changing the saturation by 10% instead.


 67.7575, 0.2560,
0.3204

 67.7575, 0.2560,
0.3204


452.6363, 0.2821,
0.3250

 49.7005, 0.2501,
0.3192


 116.0052, 0.2650,
0.3221

 35.1755, 0.2429,
0.3176


 146.9646, 0.2685,
0.3228

 23.7981, 0.2338,
0.3155


182.9936, 0.2715,
0.3233

 15.1839, 0.2220,
0.3125

224.4766, 0.2742,
0.3237

 8.9485, 0.2062,
0.3081

271.7980, 0.2765,
0.3241

 4.7076, 0.1840,
0.3010

325.3421, 0.2786,

 2.0768, 0.1512,

0.3245

0.2881

385.4935, 0.2804,
0.3248

0.6515, 0.0071,
0.2813

0.0000, 0.0000,
0.0000

67.7575, 0.2560,
0.3204

67.7575, 0.2560,
0.3204

64.9520, 0.2451,
0.3180

71.0186, 0.2685,
0.3227

62.5659, 0.2360,
0.3155


74.7531, 0.2822,
0.3250


60.5703, 0.2288,
0.3129


78.9876, 0.2969,
0.3270


58.9290, 0.2235,
0.3104


83.7441, 0.3123,
0.3290


 57.5991, 0.2201,
0.3079

 88.2849, 0.3254,
0.3307

 56.5338, 0.2182,
0.3055

 89.2988, 0.3252,
0.3324

 90.3225, 0.3251,
0.3341

 91.3559, 0.3249,
0.3358

 92.3992, 0.3247,
0.3374

Harmonies

Analogous

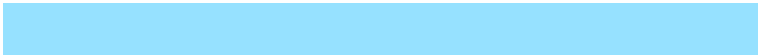
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7575, 0.2768, 0.3530



67.7575, 0.2560, 0.3204



67.7575, 0.2497, 0.2927

Triad

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



67.7575, 0.2560, 0.3204



67.7575, 0.3148, 0.2851



67.7575, 0.3680, 0.3815

Complementary

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



67.7575, 0.2560, 0.3204



40.9185, 0.4119, 0.3372

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.



67.7575, 0.3799, 0.3602



67.7575, 0.2560, 0.3204



67.7575, 0.3484, 0.3060

Square

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



67.7575, 0.2560, 0.3204



67.7575, 0.2823, 0.2744



67.7575, 0.3727, 0.3328



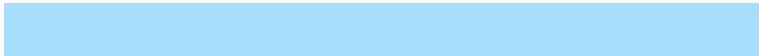
67.7575, 0.3413, 0.3895

Rectangle

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



67.7575, 0.2560, 0.3204



67.7575, 0.2543, 0.2805



67.7575, 0.3727, 0.3328



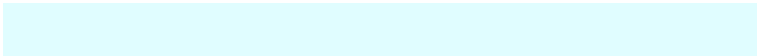
67.7575, 0.3739, 0.3755

Sweetspot

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



67.7602, 0.2560, 0.3204



93.2237, 0.2942, 0.3267



67.7667, 0.3036, 0.4447



19.8076, 0.2923, 0.3264



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.



67.7602, 0.2560, 0.3204



78.0842, 0.2472, 0.3185



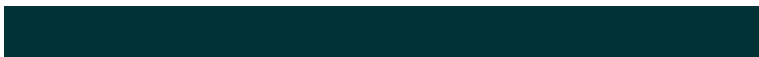
45.2300, 0.2465, 0.2600



16.9212, 0.2981, 0.3272



31.2455, 0.2183, 0.3059



2.5103, 0.2193, 0.3093

Inverse Universe

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



42.5283, 0.3235, 0.2362



44.5794, 0.3260, 0.2195



58.7028, 0.3899, 0.3888



15.2935, 0.3149, 0.3075



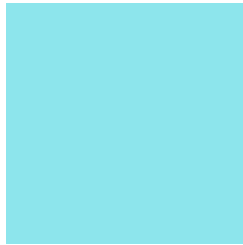
12.6471, 0.3403, 0.1648



0.9988, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 67.7575, 0.2560, 0.3204 looks on a white background.

Color Contrast Check

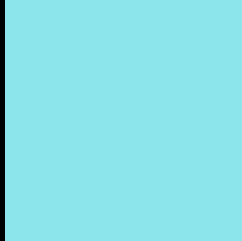
Large Text (above 18pt) WCAG AA × Fail

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 67.7575, 0.2560, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

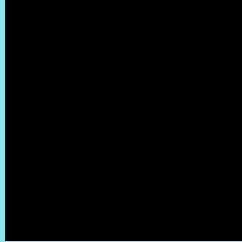
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7575, 0.2560, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 67.7575, 0.2560, 0.3204.



This preview shows how white text looks on a background with the Yxy color 67.7575, 0.2560, 0.3204.

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

67.7575, 0.2560, 0.3204

Protanopia

66.8741, 0.3047, 0.3135

Deuteranopia

66.9326, 0.3012, 0.2947



Tritanopia

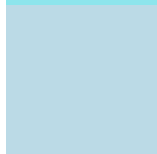
67.5213, 0.2523, 0.3063

Trichromacy



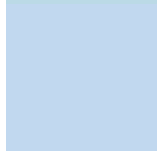
Original Color

67.7575, 0.2560, 0.3204



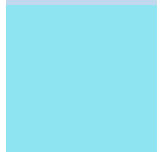
Protanomaly

66.4208, 0.2839, 0.3151



Deuteranomaly

66.6812, 0.2823, 0.3030



Tritanomaly

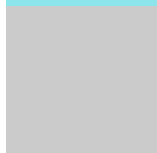
67.7372, 0.2539, 0.3121

Monochromacy



Original Color

67.7575, 0.2560, 0.3204



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.6966, 0.2881, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7575, 0.2560, 0.3204 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(141, 229, 236)` looks like.

```
.text, #text, p{  
    color:rgb(141, 229, 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(141, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 229, 236) }
```

Border

The CSS property to change the border of an element to Yxy 67.7575, 0.2560, 0.3204 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(141, 229, 236) }
```

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

```
.border{ border-color:rgb(141, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(141, 229,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7575, 0.2560, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 229, 236) }
```

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

```
.background{ background-color: rgb(141,  
229, 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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