

Converting Colors

Yxy(64.1600, 0.2558, 0.3150)

Have a look what the booklet for
Yxy(64.1600, 0.2558, 0.3150)
contains.

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Color

Yxy(64.3786, 0.2558, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	8DDFEA
RGB	141, 223, 234
RGB Percent	55%, 87%, 92%
CMY	0.4474, 0.1254, 0.0823
CMYK	0.40, 0.05, 0.00, 0.08
HSL	187°, 69%, 74%
HSV	187°, 40%, 92%
XYZ	52.2132, 64.3786, 87.5255
YIQ	199.7360, -52.4030, -13.9630

Conversions

Conversions Part 2

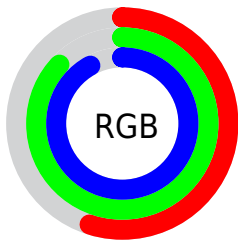
Format	Color
RYB	141, 185, 234
Decimal	9297898
CIELab	84.16, -22.24, -13.27
CIELCh	84, 25.895, 210.820
Yxy	64.3786, 0.2558, 0.3154
Android (android.graphics.Color)	4287487978 (0xFF8DDFEA)
YUV	199.7360, 16.8922, -51.5115
Hunter-Lab	80.2363, -24.2558, -8.5109

Details

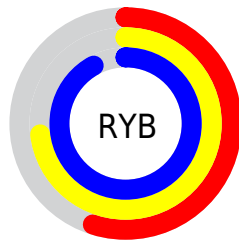
The Yxy color **64.3786, 0.2558, 0.3154** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8417, 0.4081, 0.3418**, and the grayscale version is **57.4964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **33.1044, 0.2425, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **61.0784, 0.2443, 0.3114**, and if you desaturate by 10%, it is **68.1412, 0.2687, 0.3192**.

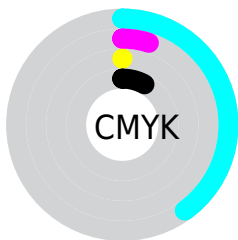
Distribution



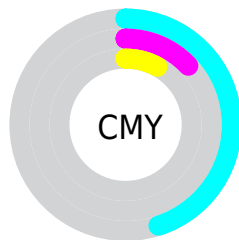
- Red (55%)
- Green (87%)
- Blue (92%)



- Red (55%)
- Yellow (73%)
- Blue (92%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)





- Cyan (45%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3786, 0.2558, 0.3154 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 64.3786, 0.2558, 0.3154 by changing the saturation by 10% instead.


 64.3786, 0.2558,
0.3154


 64.3786, 0.2558,
0.3154


440.5556, 0.2822,
0.3224

 46.9574, 0.2498,
0.3136


 111.1560, 0.2649,
0.3180

 33.0020, 0.2424,
0.3113


 141.2810, 0.2685,
0.3189

 22.1280, 0.2330,
0.3083


176.4093, 0.2716,
0.3197

 13.9509, 0.2209,
0.3041

216.9255, 0.2742,
0.3204

 8.0866, 0.2044,
0.2979

263.2137, 0.2766,
0.3210

 4.1504, 0.1813,
0.2881

315.6586, 0.2787,

 1.7580, 0.1466,

0.3216

0.2707

374.6444, 0.2805,
0.3220

0.4608, 0.0000,
0.2341

0.0000, 0.0000,
0.0000

64.3786, 0.2558,
0.3154

64.3786, 0.2558,
0.3154

61.0784, 0.2443,
0.3114

68.1412, 0.2687,
0.3192

58.2055, 0.2346,
0.3074

72.3838, 0.2828,
0.3227

55.7314, 0.2267,
0.3032

77.1324, 0.2976,
0.3260

53.6211, 0.2207,
0.2990

82.4087, 0.3131,
0.3291

■ 51.8327, 0.2166,
0.2949

■ 87.6753, 0.3267,
0.3318

■ 50.2967, 0.2142,
0.2908

■ 89.2867, 0.3265,
0.3345

■ 50.2648, 0.2141,
0.2907

■ 90.9229, 0.3262,
0.3372

■ 92.5839, 0.3259,
0.3399

■ 94.2700, 0.3257,
0.3425

Harmonies

Analogous

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



64.3786, 0.2736, 0.3466



64.3786, 0.2558, 0.3154



64.3786, 0.2524, 0.2903

Triad

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



64.3786, 0.2558, 0.3154



64.3786, 0.3208, 0.2896



64.3786, 0.3623, 0.3821

Complementary

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



64.3786, 0.2558, 0.3154



41.8417, 0.4081, 0.3418

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.



64.3786, 0.3767, 0.3635



64.3786, 0.2558, 0.3154



64.3786, 0.3522, 0.3112

Square

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



64.3786, 0.2558, 0.3154



64.3786, 0.2886, 0.2773



64.3786, 0.3731, 0.3376



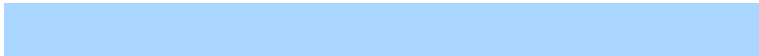
64.3786, 0.3347, 0.3868

Rectangle

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



64.3786, 0.2558, 0.3154



64.3786, 0.2586, 0.2800



64.3786, 0.3731, 0.3376



64.3786, 0.3689, 0.3772

Sweetspot

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



64.3811, 0.2558, 0.3154



92.3670, 0.2942, 0.3253



66.7680, 0.3012, 0.4367



19.6046, 0.2922, 0.3249



0.0000, 0.0000, 0.0000



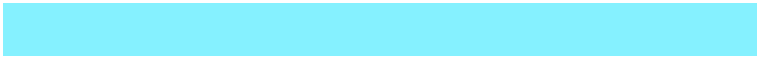
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3811, 0.2558, 0.3154



74.8149, 0.2460, 0.3121



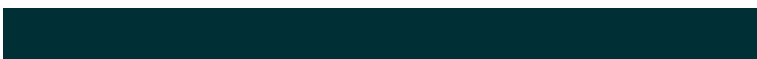
42.8831, 0.2464, 0.2548



16.8004, 0.2981, 0.3261



28.3645, 0.2143, 0.2914



2.3132, 0.2159, 0.2971

Inverse Universe

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



41.8471, 0.3272, 0.2412



44.2494, 0.3309, 0.2239



59.9519, 0.3867, 0.3929



15.2814, 0.3156, 0.3085



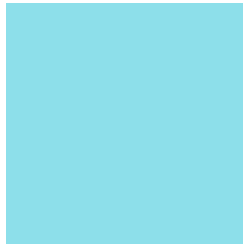
12.3562, 0.3531, 0.1719



0.9789, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 64.3786, 0.2558, 0.3154 looks on a white background.

Color Contrast Check

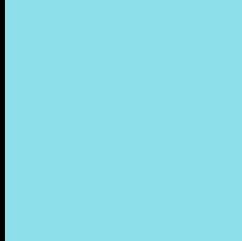
Large Text (above 18pt) WCAG AA × Fail

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 64.3786, 0.2558, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

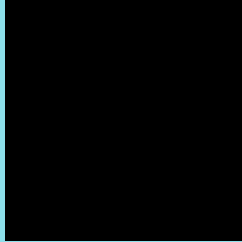
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3786, 0.2558, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 64.3786, 0.2558, 0.3154.

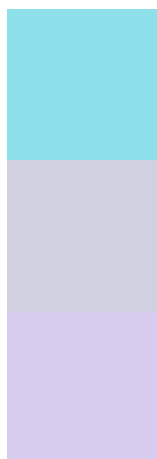


This preview shows how white text looks on a background with the Yxy color 64.3786, 0.2558, 0.3154.

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

64.3786, 0.2558, 0.3154

Protanopia

63.9035, 0.3018, 0.3109

Deuteranopia

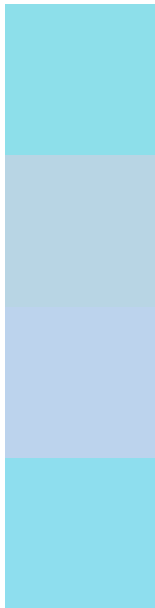
63.8059, 0.2975, 0.2918



Tritanopia

64.3735, 0.2537, 0.3071

Trichromacy



Original Color

64.3786, 0.2558, 0.3154

Protanomaly

63.3803, 0.2828, 0.3114

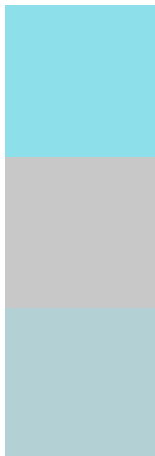
Deuteranomaly

63.3943, 0.2799, 0.2991

Tritanomaly

64.1664, 0.2542, 0.3094

Monochromacy



Original Color

64.3786, 0.2558, 0.3154

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.4489, 0.2891, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3786, 0.2558, 0.3154 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, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(141, 223, 234)  
}
```

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, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 223, 234) }
```

Border

The CSS property to change the border of an element to Yxy 64.3786, 0.2558, 0.3154 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, 223, 234) }
```

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

```
.border{ border-color:rgb(141, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 223, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 223, 234); box-shadow:4px 4px 4px 4px rgb(141, 223, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3786, 0.2558, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 223, 234) }
```

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

```
.background{ background-color: rgb(141,  
223, 234) }
```

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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