

Converting Colors

Yxy(64.8518, 0.2564, 0.2949)

Have a look what the booklet for
Yxy(64.8518, 0.2564, 0.2949)
contains.

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Color

Yxy(64.6084, 0.2564, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	9DDBF8
RGB	157, 219, 248
RGB Percent	62%, 86%, 97%
CMY	0.3844, 0.1411, 0.0275
CMYK	0.37, 0.12, 0.00, 0.03
HSL	199°, 87%, 79%
HSV	199°, 37%, 97%
XYZ	56.1736, 64.6084, 98.3038
YIQ	203.7680, -46.2610, -4.1250

Conversions

Conversions Part 2

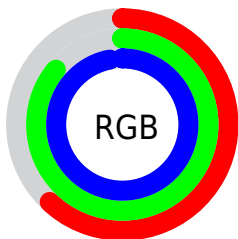
Format	Color
RYB	157, 194, 248
Decimal	10345464
CIELab	84.28, -12.65, -20.40
CIELCh	84, 24.004, 238.201
Yxy	64.6084, 0.2564, 0.2949
Android (android.graphics.Color)	4288535544 (0xFF9DDBF8)
YUV	203.7680, 21.8064, -41.0155
Hunter-Lab	80.3794, -15.9181, -16.2460

Details

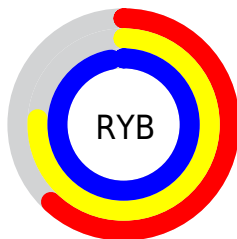
The Yxy color **64.6084, 0.2564, 0.2949** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.4850, 0.3908, 0.3604**, and the grayscale version is **60.1093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **33.1815, 0.2432, 0.2855** is the 20% darker color. If you saturate the color by 10%, you get **58.3424, 0.2423, 0.2838**, and if you desaturate by 10%, it is **71.5810, 0.2714, 0.3053**.

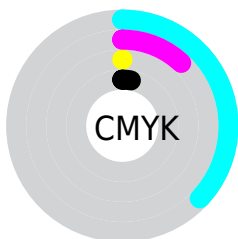
Distribution



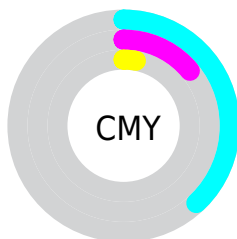
- Red (62%)
- Green (86%)
- Blue (97%)



- Red (62%)
- Yellow (76%)
- Blue (97%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)




- Cyan (38%)
- Magenta (14%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6084, 0.2564, 0.2949 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 64.6084, 0.2564, 0.2949 by changing the saturation by 10% instead.

 64.6084, 0.2564,
0.2949


 64.6084, 0.2564,
0.2949


441.3834, 0.2824,
0.3113

 47.1436, 0.2505,
0.2910


 111.4867, 0.2654,
0.3007

 33.1492, 0.2432,
0.2861


 141.6689, 0.2689,
0.3029

 22.2408, 0.2341,
0.2799


176.8592, 0.2719,
0.3048

 14.0339, 0.2222,
0.2716

217.4417, 0.2746,
0.3065

 8.1443, 0.2063,
0.2600

263.8011, 0.2769,
0.3079

 4.1874, 0.1841,
0.2430

316.3215, 0.2790,

 1.7789, 0.1512,

0.3092

0.2160

375.3875, 0.2808,
0.3103

■ 0.4740, 0.0484,
0.1620

■ 0.0000, 0.0000,
0.0000

■ 64.6084, 0.2564,
0.2949

■ 64.6084, 0.2564,
0.2949

■ 58.3424, 0.2423,
0.2838

■ 71.5810, 0.2714,
0.3053

■ 52.7419, 0.2294,
0.2721

■ 79.2835, 0.2868,
0.3149

■ 47.7725, 0.2180,
0.2600

■ 87.7471, 0.3023,
0.3236

■ 43.3928, 0.2086,
0.2477

■ 96.7759, 0.3170,
0.3315

■ 39.5544, 0.2012,
0.2354

■ 99.5564, 0.3168,
0.3357

■ 36.1972, 0.1958,
0.2234

■ 35.1646, 0.1943,
0.2194

Harmonies

Analogous

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



64.6084, 0.2608, 0.3190



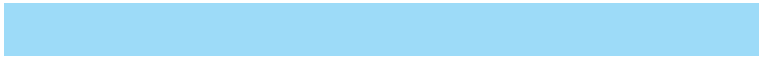
64.6084, 0.2564, 0.2949



64.6084, 0.2661, 0.2814

Triad

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



64.6084, 0.2564, 0.2949



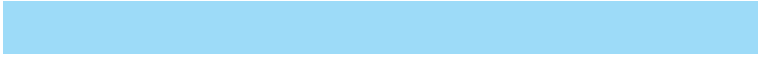
64.6084, 0.3470, 0.3105



64.6084, 0.3358, 0.3826

Complementary

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



64.6084, 0.2564, 0.2949



57.4850, 0.3908, 0.3604

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.



64.6084, 0.3604, 0.3772



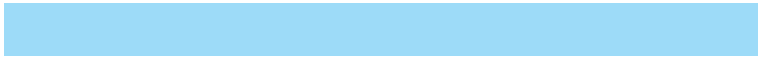
64.6084, 0.2564, 0.2949



64.6084, 0.3675, 0.3350

Square

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



64.6084, 0.2564, 0.2949



64.6084, 0.3176, 0.2909



64.6084, 0.3723, 0.3593



64.6084, 0.3057, 0.3719

Rectangle

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



64.6084, 0.2564, 0.2949



64.6084, 0.2796, 0.2793



64.6084, 0.3723, 0.3593



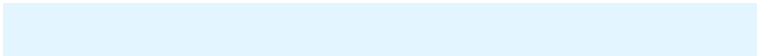
64.6084, 0.3450, 0.3825

Sweetspot

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



64.6109, 0.2564, 0.2949



89.4966, 0.2956, 0.3200



77.8281, 0.2924, 0.4042



18.8939, 0.2935, 0.3188



0.0000, 0.0000, 0.0000



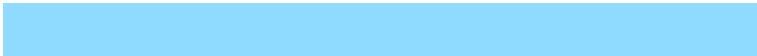
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6109, 0.2564, 0.2949



63.8502, 0.2459, 0.2868



44.0841, 0.2483, 0.2384



18.6220, 0.2980, 0.3213



19.2624, 0.1948, 0.2214



1.9749, 0.1988, 0.2357

Inverse Universe

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



49.1752, 0.3419, 0.2645



45.9741, 0.3498, 0.2518



79.7075, 0.3737, 0.4055



17.4250, 0.3187, 0.3130



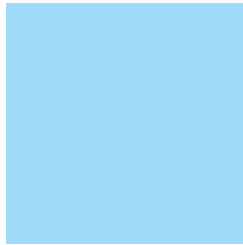
12.3555, 0.4218, 0.2097



1.1636, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 64.6084, 0.2564, 0.2949 looks on a white background.

Color Contrast Check

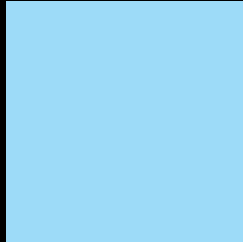
Large Text (above 18pt) WCAG AA × Fail

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 64.6084, 0.2564, 0.2949 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 64.6084, 0.2564, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 64.6084, 0.2564, 0.2949.

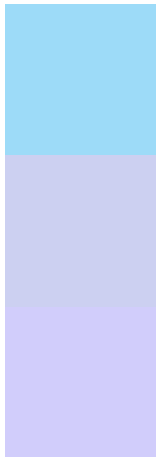


This preview shows how white text looks on a background with the Yxy color 64.6084, 0.2564, 0.2949.

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

64.6084, 0.2564, 0.2949

Protanopia

64.3000, 0.2880, 0.2924

Deuteranopia

64.1830, 0.2850, 0.2792



Tritanopia

64.8545, 0.2608, 0.3086

Trichromacy



Original Color

64.6084, 0.2564, 0.2949

Protanomaly

64.1834, 0.2752, 0.2926

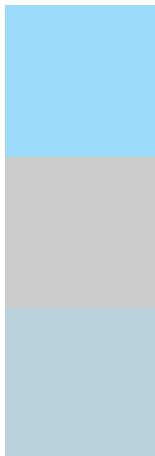
Deuteranomaly

63.9425, 0.2735, 0.2842

Tritanomaly

64.6651, 0.2591, 0.3028

Monochromacy



Original Color

64.6084, 0.2564, 0.2949

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.3330, 0.2896, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6084, 0.2564, 0.2949 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(157, 219, 248)` looks like.

```
.text, #text, p{  
    color:rgb(157, 219, 248)  
}
```

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(157, 219, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 219, 248) }
```

Border

The CSS property to change the border of an element to Yxy 64.6084, 0.2564, 0.2949 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(157, 219, 248) }
```

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

```
.border{ border-color:rgb(157, 219, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 219, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 219, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 219, 248);  
box-shadow:4px 4px 4px 4px rgb(157, 219,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6084, 0.2564, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 219, 248) }
```

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

```
.background{ background-color: rgb(157,  
219, 248) }
```

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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