

Converting Colors

Yxy(64.5411, 0.2696, 0.3055)

Have a look what the booklet for
Yxy(64.5411, 0.2696, 0.3055)
contains.

Yxy(64.3981, 0.2698, 0.3054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.3981, 0.2698, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	ABD9ED
RGB	171, 217, 237
RGB Percent	67%, 85%, 93%
CMY	0.3295, 0.1490, 0.0705
CMYK	0.28, 0.08, 0.00, 0.07
HSL	198°, 65%, 80%
HSV	198°, 28%, 93%
XYZ	56.8913, 64.3981, 89.5754
YIQ	205.5260, -33.8360, -3.5320

Conversions

Conversions Part 2

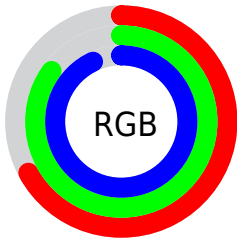
Format	Color
RYB	171, 198, 237
Decimal	11262445
CIELab	84.17, -10.40, -14.69
CIElCh	84, 17.999, 234.703
Yxy	64.3981, 0.2698, 0.3054
Android (android.graphics.Color)	4289452525 (0xFFABD9ED)
YUV	205.5260, 15.5167, -30.2793
Hunter-Lab	80.2484, -13.8890, -10.0071

Details

The Yxy color **64.3981, 0.2698, 0.3054** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2065, 0.3677, 0.3514**, and the grayscale version is **61.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **32.9588, 0.2597, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **58.3504, 0.2551, 0.2955**, and if you desaturate by 10%, it is **71.0895, 0.2851, 0.3146**.

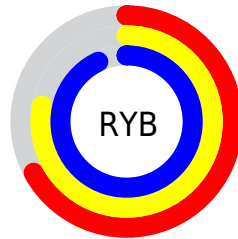
Distribution



Red (67%)

Green (85%)

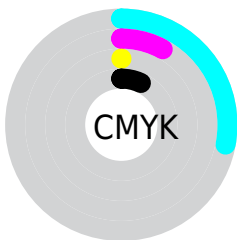
Blue (93%)



Red (67%)

Yellow (78%)

Blue (93%)

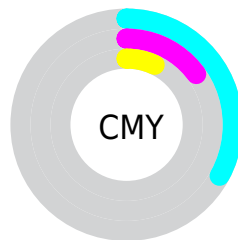


Cyan (28%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3981, 0.2698, 0.3054 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 64.3981, 0.2698, 0.3054 by changing the saturation by 10% instead.

■ 64.3981, 0.2698,
0.3054

■ 64.3981, 0.2698,
0.3054

440.6258, 0.2898,
0.3168

■ 46.9732, 0.2652,
0.3027

■ 111.1841, 0.2768,
0.3094

■ 33.0145, 0.2595,
0.2993

141.3139, 0.2795,
0.3110

■ 22.1375, 0.2523,
0.2949

176.4475, 0.2818,
0.3123

■ 13.9580, 0.2429,
0.2890

216.9693, 0.2838,
0.3135

■ 8.0914, 0.2301,
0.2807

263.2636, 0.2856,
0.3145

■ 4.1535, 0.2117,
0.2682

315.7149, 0.2871,

■ 1.7598, 0.1834,

0.3153

0.2477

374.7075, 0.2885,
0.3161

0.4619, 0.0807,
0.2013

0.0000, 0.0000,
0.0000

64.3981, 0.2698,
0.3054

64.3981, 0.2698,
0.3054

58.3504, 0.2551,
0.2955

71.0895, 0.2851,
0.3146

52.9110, 0.2413,
0.2849

78.4423, 0.3006,
0.3230

48.0526, 0.2288,
0.2738

86.4833, 0.3160,
0.3305

43.7420, 0.2179,
0.2623

93.1326, 0.3240,
0.3375

■ 39.9420, 0.2088,
0.2507

■ 97.5819, 0.3234,
0.3444

■ 36.6089, 0.2019,
0.2391

■ 98.8963, 0.3232,
0.3463

■ 33.6838, 0.1969,
0.2277

■ 33.0954, 0.1959,
0.2253

Harmonies

Analogous

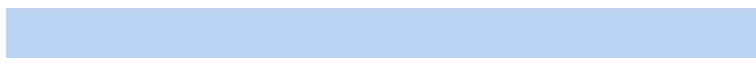
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3981, 0.2745, 0.3243



64.3981, 0.2698, 0.3054



64.3981, 0.2760, 0.2938

Triad

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



64.3981, 0.2698, 0.3054



64.3981, 0.3362, 0.3131



64.3981, 0.3328, 0.3691

Complementary

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



64.3981, 0.2698, 0.3054



58.2065, 0.3677, 0.3514

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.



64.3981, 0.3502, 0.3643



64.3981, 0.2698, 0.3054



64.3981, 0.3524, 0.3316

Square

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



64.3981, 0.2698, 0.3054



64.3981, 0.3138, 0.2986



64.3981, 0.3576, 0.3503



64.3981, 0.3104, 0.3623

Rectangle

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



64.3981, 0.2698, 0.3054



64.3981, 0.2857, 0.2913



64.3981, 0.3576, 0.3503



64.3981, 0.3394, 0.3687

Sweetspot

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



64.4007, 0.2698, 0.3054



92.4525, 0.3003, 0.3228



72.9931, 0.2976, 0.3847



19.4974, 0.2980, 0.3216



0.0000, 0.0000, 0.0000



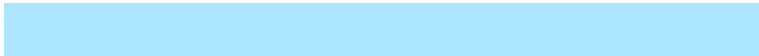
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4007, 0.2698, 0.3054



72.1743, 0.2620, 0.3003



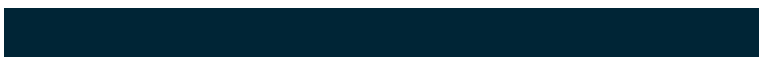
49.1266, 0.2657, 0.2650



16.3065, 0.2981, 0.3217



18.3052, 0.1964, 0.2272



1.6053, 0.2008, 0.2430

Inverse Universe

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



52.1338, 0.3324, 0.2794



56.0140, 0.3371, 0.2698



74.1629, 0.3583, 0.3858



15.2315, 0.3184, 0.3127



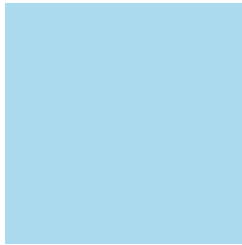
11.3407, 0.4156, 0.2063



0.9075, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 64.3981, 0.2698, 0.3054 looks on a white background.

Color Contrast Check

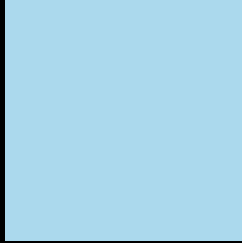
Large Text (above 18pt) WCAG AA × Fail

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 64.3981, 0.2698, 0.3054 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 64.3981, 0.2698, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 64.3981, 0.2698, 0.3054.

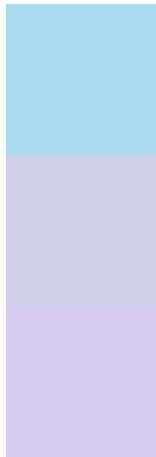


This preview shows how white text looks on a background with the Yxy color 64.3981, 0.2698, 0.3054.

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

64.3981, 0.2698, 0.3054

Protanopia

64.1467, 0.2965, 0.3032

Deuteranopia

63.9241, 0.2962, 0.2898



Tritanopia

64.1699, 0.2703, 0.3077

Trichromacy



Original Color

64.3981, 0.2698, 0.3054

Protanomaly

63.9411, 0.2863, 0.3038

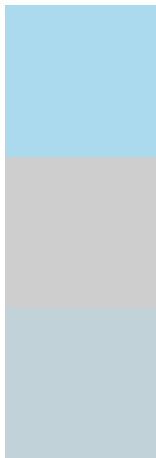
Deuteranomaly

63.9750, 0.2859, 0.2953

Tritanomaly

64.2279, 0.2698, 0.3065

Monochromacy



Original Color

64.3981, 0.2698, 0.3054

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.4404, 0.2957, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3981, 0.2698, 0.3054 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(171, 217, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 217, 237)  
}
```

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(171, 217, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 217, 237) }
```

Border

The CSS property to change the border of an element to Yxy 64.3981, 0.2698, 0.3054 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(171, 217, 237) }
```

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

```
.border{ border-color:rgb(171, 217, 237) }
```

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

Here you see how a box with a 4 pixel rgb(171, 217, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 217, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 217, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 217,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3981, 0.2698, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 217, 237) }
```

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

```
.background{ background-color: rgb(171,  
217, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor