

Converting Colors

Yxy(64.3291, 0.2681, 0.3029)

Have a look what the booklet for
Yxy(64.3291, 0.2681, 0.3029)
contains.

Yxy(64.4038, 0.2681, 0.3031)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4038, 0.2681, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	AAD9EF
RGB	170, 217, 239
RGB Percent	67%, 85%, 94%
CMY	0.3335, 0.1490, 0.0626
CMYK	0.29, 0.09, 0.00, 0.06
HSL	199°, 68%, 80%
HSV	199°, 29%, 94%
XYZ	56.9669, 64.4038, 91.1130
YIQ	205.4550, -35.0740, -3.1220

Conversions

Conversions Part 2

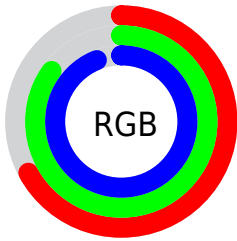
Format	Color
RYB	170, 198, 239
Decimal	11196911
CIELab	84.18, -10.23, -15.75
CIELCh	84, 18.780, 237.007
Yxy	64.4038, 0.2681, 0.3031
Android (android.graphics.Color)	4289386991 (0xFFAAD9EF)
YUV	205.4550, 16.5377, -31.0940
Hunter-Lab	80.2520, -13.7327, -11.1377

Details

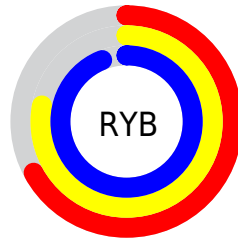
The Yxy color **64.4038, 0.2681, 0.3031** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9473, 0.3700, 0.3534**, and the grayscale version is **61.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **32.9726, 0.2576, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **58.1424, 0.2533, 0.2926**, and if you desaturate by 10%, it is **71.3360, 0.2834, 0.3129**.

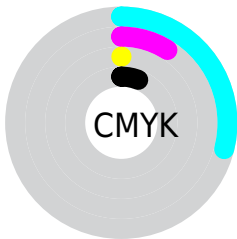
Distribution



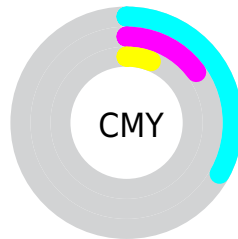
- Red (67%)
- Green (85%)
- Blue (94%)



- Red (67%)
- Yellow (78%)
- Blue (94%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (33%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4038, 0.2681, 0.3031 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 64.4038, 0.2681, 0.3031 by changing the saturation by 10% instead.

■ 64.4038, 0.2681,
0.3031

■ 64.4038, 0.2681,
0.3031

■ 440.6464, 0.2889,
0.3156

■ 46.9778, 0.2633,
0.3001

■ 111.1923, 0.2753,
0.3075

■ 33.0181, 0.2575,
0.2964

■ 141.3235, 0.2781,
0.3092

■ 22.1403, 0.2500,
0.2916

■ 176.4587, 0.2805,
0.3107

■ 13.9600, 0.2403,
0.2852

■ 216.9821, 0.2826,
0.3119

■ 8.0929, 0.2270,
0.2762

■ 263.2782, 0.2845,
0.3130

■ 4.1544, 0.2081,
0.2628

■ 315.7313, 0.2861,

■ 1.7603, 0.1791,

0.3140

0.2409

374.7259, 0.2876,
0.3148

0.4623, 0.0788,
0.1919

0.0000, 0.0000,
0.0000

64.4038, 0.2681,
0.3031

64.4038, 0.2681,
0.3031

58.1424, 0.2533,
0.2926

71.3360, 0.2834,
0.3129

52.5155, 0.2394,
0.2813

78.9579, 0.2990,
0.3218

47.4943, 0.2268,
0.2695

87.2972, 0.3144,
0.3298

43.0443, 0.2159,
0.2574

94.3169, 0.3226,
0.3372

■ 39.1265, 0.2069,
0.2451

■ 99.0138, 0.3220,
0.3444

■ 35.6951, 0.1999,
0.2328

■ 32.6827, 0.1948,
0.2208

■ 32.3665, 0.1943,
0.2195

Harmonies

Analogous

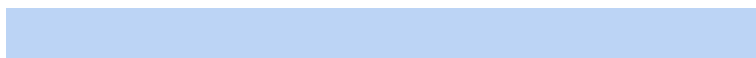
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.4038, 0.2721, 0.3223



64.4038, 0.2681, 0.3031



64.4038, 0.2754, 0.2918

Triad

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



64.4038, 0.2681, 0.3031



64.4038, 0.3388, 0.3137



64.4038, 0.3319, 0.3707

Complementary

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



64.4038, 0.2681, 0.3031



58.9473, 0.3700, 0.3534

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.



64.4038, 0.3508, 0.3665



64.4038, 0.2681, 0.3031



64.4038, 0.3550, 0.3333

Square

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



64.4038, 0.2681, 0.3031



64.4038, 0.3157, 0.2983



64.4038, 0.3594, 0.3525



64.4038, 0.3084, 0.3627

Rectangle

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



64.4038, 0.2681, 0.3031



64.4038, 0.2860, 0.2897



64.4038, 0.3594, 0.3525



64.4038, 0.3390, 0.3707

Sweetspot

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



64.4064, 0.2681, 0.3031



91.3244, 0.2987, 0.3217



74.0910, 0.2964, 0.3857



19.2607, 0.2965, 0.3204



0.0000, 0.0000, 0.0000



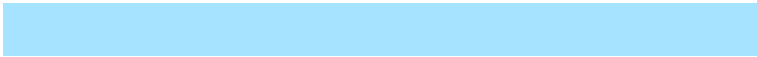
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4064, 0.2681, 0.3031



69.9903, 0.2588, 0.2966



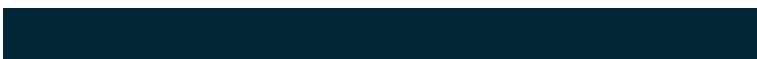
48.4867, 0.2636, 0.2607



17.0296, 0.2981, 0.3213



18.1281, 0.1949, 0.2214



1.6865, 0.1993, 0.2373

Inverse Universe

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



52.1006, 0.3342, 0.2786



53.9627, 0.3402, 0.2675



75.8498, 0.3598, 0.3891



15.9407, 0.3187, 0.3130



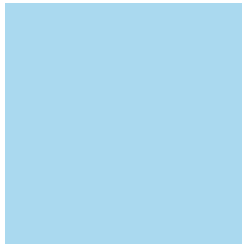
11.6234, 0.4217, 0.2097



0.9850, 0.4051, 0.2005

Previews

White Background



This preview shows how the Yxy color 64.4038, 0.2681, 0.3031 looks on a white background.

Color Contrast Check

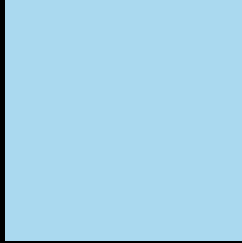
Large Text (above 18pt) WCAG AA × Fail

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 64.4038, 0.2681, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

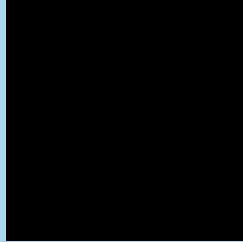
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4038, 0.2681, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 64.4038, 0.2681, 0.3031.

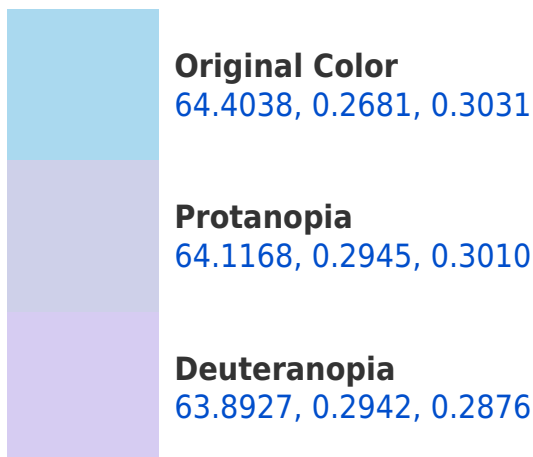


This preview shows how white text looks on a background with the Yxy color 64.4038, 0.2681, 0.3031.

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

64.5760, 0.2699, 0.3088

Trichromacy



Original Color

64.4038, 0.2681, 0.3031

Protanomaly

63.9241, 0.2844, 0.3016

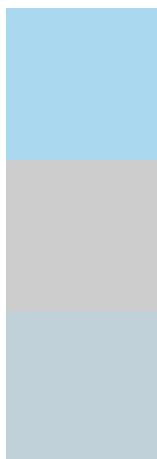
Deuteranomaly

63.9576, 0.2840, 0.2931

Tritanomaly

64.6340, 0.2693, 0.3077

Monochromacy



Original Color

64.4038, 0.2681, 0.3031

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.8172, 0.2950, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4038, 0.2681, 0.3031 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(170, 217, 239)` looks like.

```
.text, #text, p{  
    color:rgb(170, 217, 239)  
}
```

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(170, 217, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 217, 239) }
```

Border

The CSS property to change the border of an element to Yxy 64.4038, 0.2681, 0.3031 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(170, 217, 239) }
```

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

```
.border{ border-color:rgb(170, 217, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 217, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 217, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 217, 239);  
box-shadow:4px 4px 4px 4px rgb(170, 217,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4038, 0.2681, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 217, 239) }
```

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

```
.background{ background-color: rgb(170,  
217, 239) }
```

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