

Converting Colors

$Yxy(68.2358, 0.2648, 0.3106)$

Have a look what the booklet for
Yxy(68.2358, 0.2648, 0.3106)
contains.

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Color

Yxy(68.0938, 0.2647, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	A4E1F1
RGB	164, 225, 241
RGB Percent	64%, 88%, 95%
CMY	0.3571, 0.1176, 0.0548
CMYK	0.32, 0.07, 0.00, 0.05
HSL	192°, 73%, 79%
HSV	192°, 32%, 95%
XYZ	58.1058, 68.0938, 93.3162
YIQ	208.5850, -41.4920, -7.9560

Conversions

Conversions Part 2

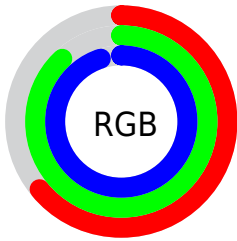
Format	Color
RYB	164, 198, 241
Decimal	10805745
CIELab	86.05, -15.53, -14.02
CIELCh	86, 20.922, 222.078
Yxy	68.0938, 0.2647, 0.3102
Android (android.graphics.Color)	4288995825 (0xFFA4E1F1)
YUV	208.5850, 15.9806, -39.1010
Hunter-Lab	82.5190, -18.7172, -9.2845

Details

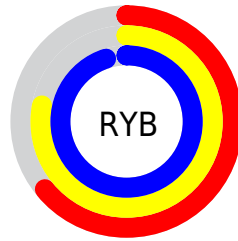
The Yxy color **68.0938, 0.2647, 0.3102** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0072, 0.3808, 0.3469**, and the grayscale version is **63.3856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.5034, 0.2535, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **63.1042, 0.2512, 0.3033**, and if you desaturate by 10%, it is **73.6540, 0.2791, 0.3166**.

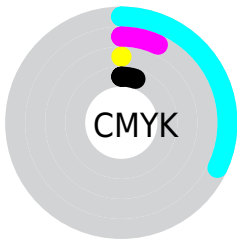
Distribution



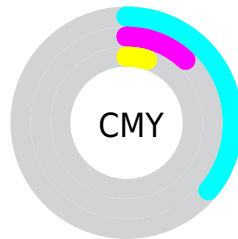
- Red (64%)
- Green (88%)
- Blue (95%)



- Red (64%)
- Yellow (78%)
- Blue (95%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)




- Cyan (36%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0938, 0.2647, 0.3102 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 68.0938, 0.2647, 0.3102 by changing the saturation by 10% instead.


 68.0938, 0.2647,
0.3102


 68.0938, 0.2647,
0.3102

453.8283, 0.2868,
0.3194

 49.9740, 0.2597,
0.3080


 116.4863, 0.2723,
0.3135

 35.3928, 0.2535,
0.3052


 147.5279, 0.2753,
0.3147

 23.9656, 0.2458,
0.3016


183.6455, 0.2779,
0.3158

 15.3081, 0.2357,
0.2968

225.2236, 0.2801,
0.3167

 9.0359, 0.2222,
0.2899

272.6465, 0.2821,
0.3175

 4.7646, 0.2031,
0.2796

326.2987, 0.2838,

 2.1098, 0.1744,

0.3182

0.2625

386.5645, 0.2854,
0.3188

0.6701, 0.0906,
0.2354

0.0000, 0.0000,
0.0000

68.0938, 0.2647,
0.3102

68.0938, 0.2647,
0.3102

63.1042, 0.2512,
0.3033

73.6540, 0.2791,
0.3166

58.6489, 0.2391,
0.2961

79.8027, 0.2942,
0.3226

54.6997, 0.2285,
0.2886

86.5669, 0.3096,
0.3280

51.2219, 0.2198,
0.2810

92.9397, 0.3216,
0.3329

■ 48.1759, 0.2130,
0.2733

■ 96.0104, 0.3212,
0.3377

■ 45.5139, 0.2082,
0.2657

■ 99.1322, 0.3208,
0.3424

■ 43.5970, 0.2055,
0.2596

Harmonies

Analogous

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



68.0938, 0.2750, 0.3338



68.0938, 0.2647, 0.3102



68.0938, 0.2666, 0.2932

Triad

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



68.0938, 0.2647, 0.3102



68.0938, 0.3291, 0.3032



68.0938, 0.3450, 0.3740

Complementary

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



68.0938, 0.2647, 0.3102



54.0072, 0.3808, 0.3469

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.



68.0938, 0.3607, 0.3633



68.0938, 0.2647, 0.3102



68.0938, 0.3515, 0.3227

Square

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



68.0938, 0.2647, 0.3102



68.0938, 0.3029, 0.2901



68.0938, 0.3633, 0.3444



68.0938, 0.3209, 0.3721

Rectangle

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



68.0938, 0.2647, 0.3102



68.0938, 0.2745, 0.2873



68.0938, 0.3633, 0.3444



68.0938, 0.3514, 0.3717

Sweetspot

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



68.0965, 0.2647, 0.3102



92.1475, 0.2972, 0.3237



74.0797, 0.2998, 0.4042



19.4994, 0.2951, 0.3229



0.0000, 0.0000, 0.0000



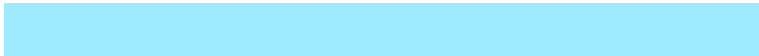
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0965, 0.2647, 0.3102



73.8437, 0.2563, 0.3060



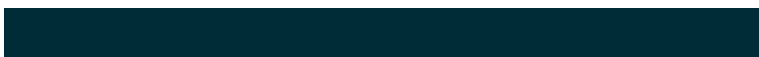
49.8086, 0.2590, 0.2635



17.3389, 0.2981, 0.3240



23.8375, 0.2058, 0.2609



2.1214, 0.2086, 0.2708

Inverse Universe

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



50.6731, 0.3297, 0.2646



51.7387, 0.3338, 0.2523



71.4735, 0.3681, 0.3868



15.9719, 0.3170, 0.3105



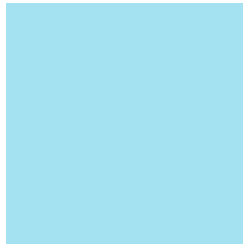
12.1998, 0.3816, 0.1876



1.0289, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 68.0938, 0.2647, 0.3102 looks on a white background.

Color Contrast Check

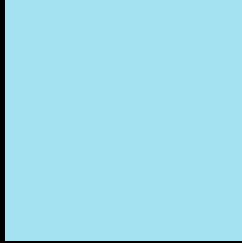
Large Text (above 18pt) WCAG AA × Fail

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 68.0938, 0.2647, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

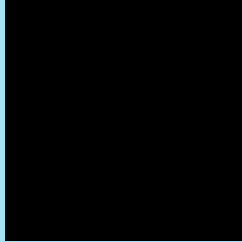
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0938, 0.2647, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 68.0938, 0.2647, 0.3102.

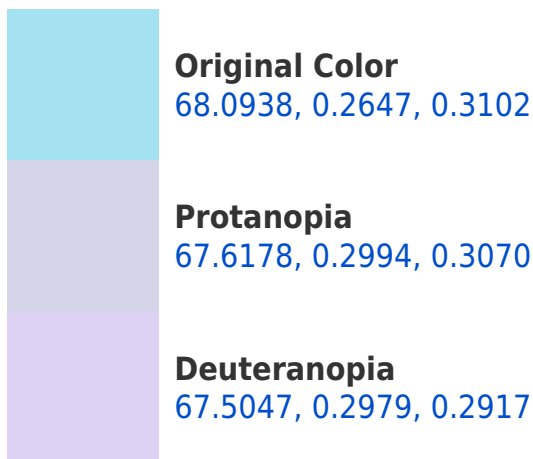


This preview shows how white text looks on a background with the Yxy color 68.0938, 0.2647, 0.3102.

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

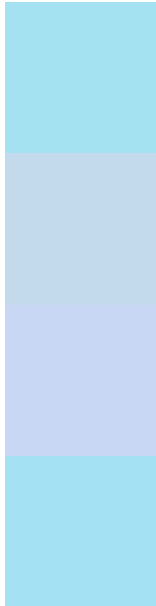




Tritanopia

68.2140, 0.2637, 0.3080

Trichromacy



Original Color

68.0938, 0.2647, 0.3102

Protanomaly

67.2839, 0.2855, 0.3075

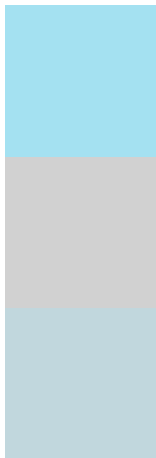
Deuteranomaly

67.3513, 0.2844, 0.2979

Tritanomaly

68.1537, 0.2642, 0.3091

Monochromacy



Original Color

68.0938, 0.2647, 0.3102

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.1588, 0.2933, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0938, 0.2647, 0.3102 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(164, 225, 241)` looks like.

```
.text, #text, p{  
    color:rgb(164, 225, 241)  
}
```

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(164, 225, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 225, 241) }
```

Border

The CSS property to change the border of an element to Yxy 68.0938, 0.2647, 0.3102 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(164, 225, 241) }
```

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

```
.border{ border-color:rgb(164, 225, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 225, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 225, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 225, 241);  
box-shadow:4px 4px 4px 4px rgb(164, 225,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0938, 0.2647, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 225, 241) }
```

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

```
.background{ background-color: rgb(164,  
225, 241) }
```

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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