

Converting Colors

$Yxy(67.8646, 0.2626, 0.3046)$

Have a look what the booklet for
Yxy(67.8646, 0.2626, 0.3046)
contains.

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Color

Yxy(67.7964, 0.2625, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	A4E0F5
RGB	164, 224, 245
RGB Percent	64%, 88%, 96%
CMY	0.3570, 0.1215, 0.0391
CMYK	0.33, 0.09, 0.00, 0.04
HSL	196°, 80%, 80%
HSV	196°, 33%, 96%
XYZ	58.4452, 67.7964, 96.4067
YIQ	208.4540, -42.5010, -6.1890

Conversions

Conversions Part 2

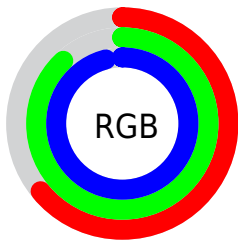
Format	Color
RYB	164, 198, 245
Decimal	10805493
CIELab	85.90, -14.06, -16.35
CIELCh	86, 21.567, 229.303
Yxy	67.7964, 0.2625, 0.3045
Android (android.graphics.Color)	4288995573 (0xFFA4E0F5)
YUV	208.4540, 18.0172, -38.9862
Hunter-Lab	82.3386, -17.3905, -11.7831

Details

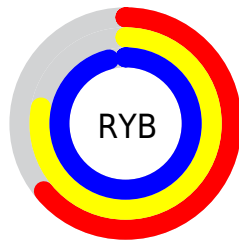
The Yxy color **67.7964, 0.2625, 0.3045** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.7894, 0.3825, 0.3520**, and the grayscale version is **63.2870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.3013, 0.2507, 0.2982** is the 20% darker color. If you saturate the color by 10%, you get **62.0875, 0.2486, 0.2958**, and if you desaturate by 10%, it is **74.1404, 0.2772, 0.3127**.

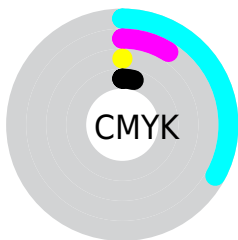
Distribution



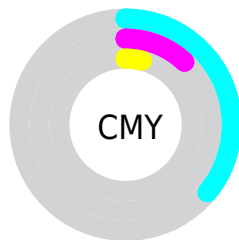
- Red (64%)
- Green (88%)
- Blue (96%)



- Red (64%)
- Yellow (78%)
- Blue (96%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)




- Cyan (36%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7964, 0.2625, 0.3045 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 67.7964, 0.2625, 0.3045 by changing the saturation by 10% instead.

 67.7964, 0.2625,
0.3045

 67.7964, 0.2625,
0.3045


452.7743, 0.2856,
0.3163

 49.7321, 0.2573,
0.3017


 116.0608, 0.2705,
0.3087

 35.2006, 0.2509,
0.2982


 147.0298, 0.2736,
0.3103

 23.8174, 0.2428,
0.2936


183.0690, 0.2763,
0.3117

 15.1982, 0.2323,
0.2875

224.5630, 0.2786,
0.3129

 8.9586, 0.2183,
0.2790

271.8962, 0.2807,
0.3139

 4.7142, 0.1986,
0.2664

325.4528, 0.2825,

 2.0806, 0.1692,

0.3148

0.2460

385.6174, 0.2841,
0.3156

0.6537, 0.0900,
0.2116

0.0000, 0.0000,
0.0000

67.7964, 0.2625,
0.3045

67.7964, 0.2625,
0.3045

62.0875, 0.2486,
0.2958

74.1404, 0.2772,
0.3127

56.9753, 0.2360,
0.2866

81.1395, 0.2925,
0.3202

52.4292, 0.2249,
0.2770

88.8223, 0.3080,
0.3270

48.4120, 0.2156,
0.2672

95.8644, 0.3189,
0.3332

■ 44.8808, 0.2083,
0.2574

■ 99.3738, 0.3185,
0.3386

■ 41.7840, 0.2030,
0.2477

■ 39.8416, 0.2003,
0.2410

Harmonies

Analogous

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



67.7964, 0.2702, 0.3277



67.7964, 0.2625, 0.3045



67.7964, 0.2675, 0.2893

Triad

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



67.7964, 0.2625, 0.3045



67.7964, 0.3359, 0.3068



67.7964, 0.3405, 0.3763

Complementary

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



67.7964, 0.2625, 0.3045



56.7894, 0.3825, 0.3520

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.



67.7964, 0.3595, 0.3680



67.7964, 0.2625, 0.3045



67.7964, 0.3569, 0.3278

Square

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



67.7964, 0.2625, 0.3045



67.7964, 0.3090, 0.2913



67.7964, 0.3657, 0.3500



67.7964, 0.3146, 0.3709

Rectangle

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



67.7964, 0.2625, 0.3045



67.7964, 0.2775, 0.2851



67.7964, 0.3657, 0.3500



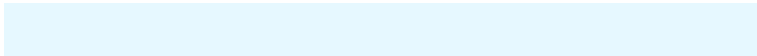
67.7964, 0.3479, 0.3749

Sweetspot

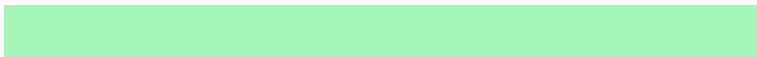
The Sweet Spot groups the original color and five complimentary colors.



67.7991, 0.2625, 0.3045



91.3342, 0.2972, 0.3223



76.6777, 0.2972, 0.4023



19.3018, 0.2950, 0.3214



0.0000, 0.0000, 0.0000



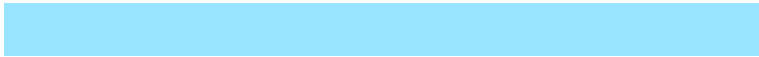
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7991, 0.2625, 0.3045



69.7841, 0.2527, 0.2984



48.8638, 0.2563, 0.2557



17.9880, 0.2980, 0.3227



21.6955, 0.2007, 0.2426



2.0723, 0.2041, 0.2547

Inverse Universe

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



51.3411, 0.3340, 0.2663



49.6747, 0.3399, 0.2531



75.8160, 0.3690, 0.3928



16.6906, 0.3178, 0.3116



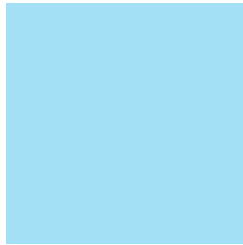
12.2895, 0.3997, 0.1975



1.0968, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 67.7964, 0.2625, 0.3045 looks on a white background.

Color Contrast Check

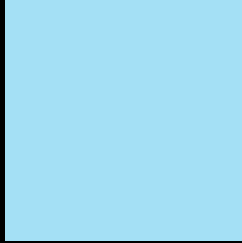
Large Text (above 18pt) WCAG AA × Fail

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 67.7964, 0.2625, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

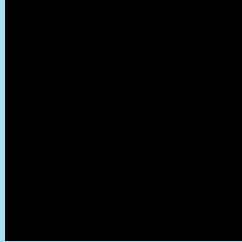
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7964, 0.2625, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 67.7964, 0.2625, 0.3045.

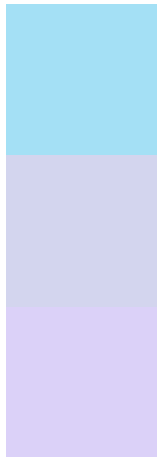


This preview shows how white text looks on a background with the Yxy color 67.7964, 0.2625, 0.3045.

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

67.7964, 0.2625, 0.3045

Protanopia

67.6104, 0.2948, 0.3016

Deuteranopia

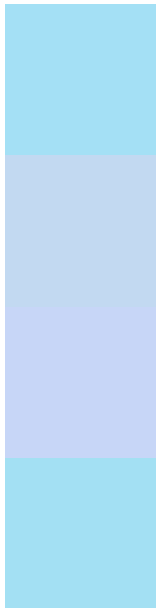
67.4383, 0.2940, 0.2875



Tritanopia

67.5086, 0.2635, 0.3079

Trichromacy



Original Color

67.7964, 0.2625, 0.3045

Protanomaly

67.4459, 0.2818, 0.3020

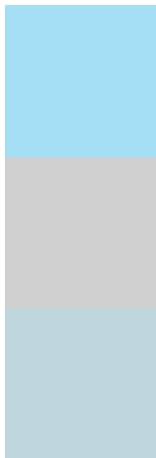
Deuteranomaly

66.9506, 0.2813, 0.2925

Tritanomaly

67.5689, 0.2630, 0.3067

Monochromacy



Original Color

67.7964, 0.2625, 0.3045

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.5201, 0.2925, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7964, 0.2625, 0.3045 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, 224, 245)` looks like.

```
.text, #text, p{  
    color:rgb(164, 224, 245)  
}
```

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, 224, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 224, 245) }
```

Border

The CSS property to change the border of an element to Yxy 67.7964, 0.2625, 0.3045 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, 224, 245) }
```

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

```
.border{ border-color:rgb(164, 224, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 224, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 224, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 224, 245);  
box-shadow:4px 4px 4px 4px rgb(164, 224,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7964, 0.2625, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 224, 245) }
```

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

```
.background{ background-color: rgb(164,  
224, 245) }
```

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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