

Converting Colors

$Yxy(64.9133, 0.2752, 0.3091)$

Have a look what the booklet for
Yxy(64.9133, 0.2752, 0.3091)
contains.

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Color

Yxy(64.9133, 0.2752, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	B1D9EA
RGB	177, 217, 234
RGB Percent	69%, 85%, 92%
CMY	0.3058, 0.1490, 0.0825
CMYK	0.24, 0.07, 0.00, 0.08
HSL	198°, 58%, 81%
HSV	198°, 24%, 92%
XYZ	57.7940, 64.9133, 87.3001
YIQ	206.9780, -29.2970, -3.1930

Conversions

Conversions Part 2

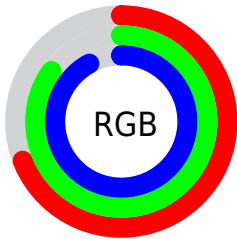
Format	Color
RYB	177, 201, 234
Decimal	11655658
CIELab	84.44, -9.33, -12.63
CIELCh	84, 15.703, 233.543
Yxy	64.9133, 0.2752, 0.3091
Android (android.graphics.Color)	4289845738 (0xFFB1D9EA)
YUV	206.9780, 13.3218, -26.2907
Hunter-Lab	80.5688, -12.9528, -7.8454

Details

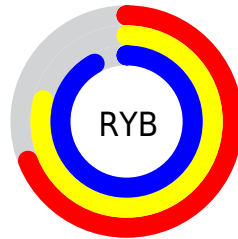
The Yxy color **64.9133, 0.2752, 0.3091** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.2364, 0.3593, 0.3480**, and the grayscale version is **62.3109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **33.2660, 0.2662, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **58.8824, 0.2603, 0.2996**, and if you desaturate by 10%, it is **71.5721, 0.2905, 0.3178**.

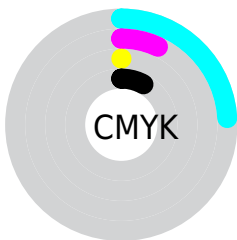
Distribution



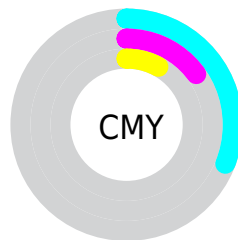
- Red (69%)
- Green (85%)
- Blue (92%)



- Red (69%)
- Yellow (79%)
- Blue (92%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)



- Cyan (31%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9133, 0.2752, 0.3091 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 64.9133, 0.2752, 0.3091 by changing the saturation by 10% instead.

■ 64.9133, 0.2752,
0.3091

■ 64.9133, 0.2752,
0.3091

442.4803, 0.2927,
0.3187

■ 47.3908, 0.2712,
0.3068

■ 111.9252, 0.2813,
0.3125

■ 33.3447, 0.2662,
0.3040

142.1834, 0.2837,
0.3138

■ 22.3906, 0.2599,
0.3002

177.4555, 0.2857,
0.3149

■ 14.1442, 0.2516,
0.2953

218.1261, 0.2875,
0.3159

■ 8.2210, 0.2402,
0.2883

264.5795, 0.2890,
0.3167

■ 4.2367, 0.2238,
0.2778

317.2001, 0.2904,

■ 1.8068, 0.1983,

0.3175

0.2603

376.3722, 0.2916,
0.3181

0.4914, 0.1076,
0.2210

0.0000, 0.0000,
0.0000

64.9133, 0.2752,
0.3091

64.9133, 0.2752,
0.3091

58.8824, 0.2603,
0.2996

71.5721, 0.2905,
0.3178

53.4458, 0.2462,
0.2895

78.8752, 0.3060,
0.3258

48.5780, 0.2333,
0.2787

86.8478, 0.3214,
0.3330

44.2483, 0.2218,
0.2676

92.4308, 0.3260,
0.3397

■ 40.4222, 0.2122,
0.2562

■ 96.7245, 0.3253,
0.3463

■ 37.0601, 0.2046,
0.2448

■ 98.7187, 0.3250,
0.3493

■ 34.1139, 0.1990,
0.2336

■ 32.5900, 0.1965,
0.2273

Harmonies

Analogous

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



64.9133, 0.2797, 0.3257



64.9133, 0.2752, 0.3091



64.9133, 0.2803, 0.2986

Triad

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



64.9133, 0.2752, 0.3091



64.9133, 0.3324, 0.3145



64.9133, 0.3309, 0.3638

Complementary

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



64.9133, 0.2752, 0.3091



59.2364, 0.3593, 0.3480

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.



64.9133, 0.3458, 0.3594



64.9133, 0.2752, 0.3091



64.9133, 0.3468, 0.3308

Square

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



64.9133, 0.2752, 0.3091



64.9133, 0.3130, 0.3021



64.9133, 0.3517, 0.3471



64.9133, 0.3115, 0.3582

Rectangle

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



64.9133, 0.2752, 0.3091



64.9133, 0.2886, 0.2960



64.9133, 0.3517, 0.3471



64.9133, 0.3367, 0.3634

Sweetspot

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



64.9159, 0.2752, 0.3091



93.4249, 0.3019, 0.3237



72.0335, 0.3000, 0.3778



19.8795, 0.3009, 0.3233



0.0000, 0.0000, 0.0000



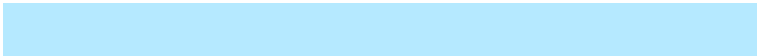
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9159, 0.2752, 0.3091



75.3128, 0.2680, 0.3046



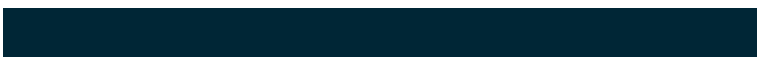
51.8363, 0.2723, 0.2754



16.3203, 0.2981, 0.3218



18.5490, 0.1970, 0.2290



1.6229, 0.2013, 0.2445

Inverse Universe

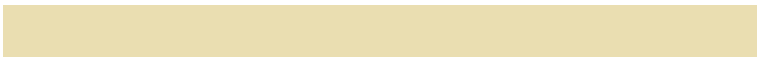
The Inverse Universe completely reimagines the original color for something new.



53.9478, 0.3291, 0.2856



60.2098, 0.3331, 0.2767



72.7074, 0.3524, 0.3774



15.2329, 0.3183, 0.3126



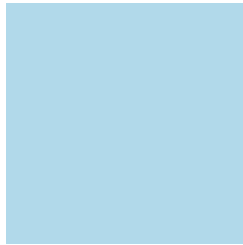
11.3653, 0.4136, 0.2052



0.9092, 0.3977, 0.1964

Previews

White Background



This preview shows how the Yxy color 64.9133, 0.2752, 0.3091 looks on a white background.

Color Contrast Check

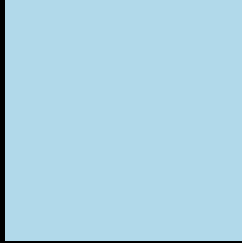
Large Text (above 18pt) WCAG AA × Fail

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 64.9133, 0.2752, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

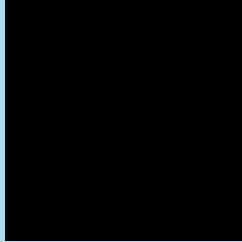
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

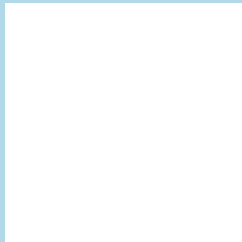
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9133, 0.2752, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 64.9133, 0.2752, 0.3091.

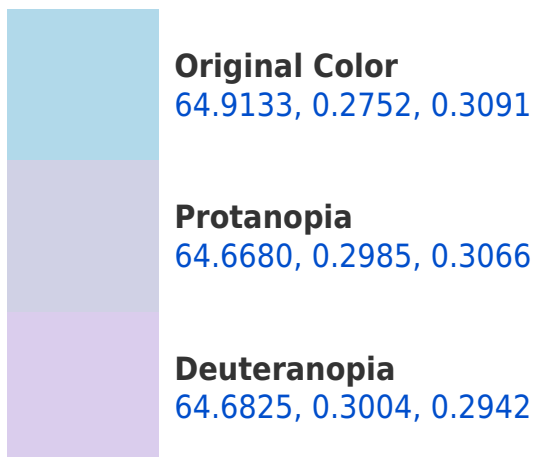


This preview shows how white text looks on a background with the Yxy color 64.9133, 0.2752, 0.3091.

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

64.9133, 0.2752, 0.3091

Trichromacy



Original Color

64.9133, 0.2752, 0.3091

Protanomaly

64.7268, 0.2896, 0.3073

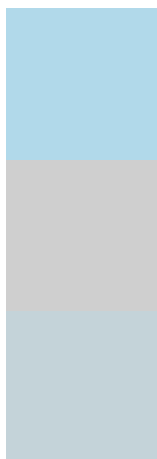
Deuteranomaly

64.3536, 0.2905, 0.2988

Tritanomaly

64.9133, 0.2752, 0.3091

Monochromacy



Original Color

64.9133, 0.2752, 0.3091

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3340, 0.2978, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9133, 0.2752, 0.3091 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(177, 217, 234)` looks like.

```
.text, #text, p{  
    color:rgb(177, 217, 234)  
}
```

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(177, 217, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 217, 234) }
```

Border

The CSS property to change the border of an element to Yxy 64.9133, 0.2752, 0.3091 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(177, 217, 234) }
```

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

```
.border{ border-color:rgb(177, 217, 234) }
```

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

Here you see how a box with a 4 pixel rgb(177, 217, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 217, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 217, 234);  
box-shadow:4px 4px 4px 4px rgb(177, 217,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9133, 0.2752, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 217, 234) }
```

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

```
.background{ background-color: rgb(177,  
217, 234) }
```

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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