

Converting Colors

$Yxy(67.5203, 0.2744, 0.3108)$

Have a look what the booklet for
Yxy(67.5203, 0.2744, 0.3108)
contains.

Yxy(67.2923, 0.2745, 0.3104)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.2923, 0.2745, 0.3104)

Conversions

Conversions Part 1

Format	Color
Hex	B2DDED
RGB	178, 221, 237
RGB Percent	70%, 87%, 93%
CMY	0.3019, 0.1333, 0.0705
CMYK	0.25, 0.07, 0.00, 0.07
HSL	196°, 62%, 81%
HSV	196°, 25%, 93%
XYZ	59.5095, 67.2923, 89.9904
YIQ	209.9670, -30.7640, -4.1400

Conversions

Conversions Part 2

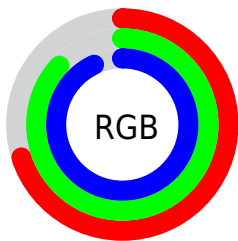
Format	Color
R _Y B	178, 203, 237
Decimal	11722221
CIE Lab	85.65, -10.41, -12.43
CIE LCh	86, 16.211, 230.063
Yxy	67.2923, 0.2745, 0.3104
Android (android.graphics.Color)	4289912301 (0xFFB2DDED)
YUV	209.9670, 13.3273, -28.0351
Hunter-Lab	82.0319, -14.0642, -7.6199

Details

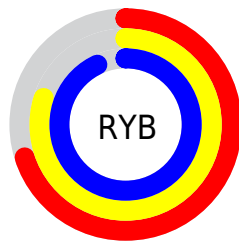
The Yxy color **67.2923, 0.2745, 0.3104** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.8324, 0.3610, 0.3468**, and the grayscale version is **64.3574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **34.8937, 0.2656, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **61.3933, 0.2598, 0.3017**, and if you desaturate by 10%, it is **73.8115, 0.2897, 0.3184**.

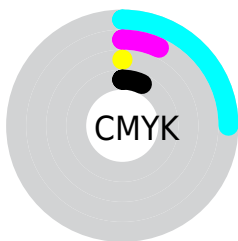
Distribution



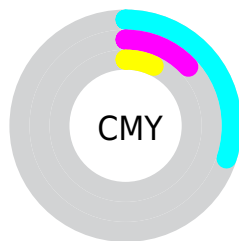
- Red (70%)
- Green (87%)
- Blue (93%)



- Red (70%)
- Yellow (80%)
- Blue (93%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (30%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2923, 0.2745, 0.3104 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 67.2923, 0.2745, 0.3104 by changing the saturation by 10% instead.

67.2923, 0.2745,
0.3104

67.2923, 0.2745,
0.3104

450.9845, 0.2922,
0.3193

49.3222, 0.2705,
0.3083

115.3391, 0.2806,
0.3136

34.8751, 0.2655,
0.3056

146.1847, 0.2830,
0.3148

23.5667, 0.2592,
0.3022

182.0908, 0.2851,
0.3158

15.0125, 0.2509,
0.2976

223.4420, 0.2869,
0.3167

8.8282, 0.2397,
0.2911

270.6225, 0.2885,
0.3175

4.6293, 0.2237,
0.2815

324.0169, 0.2898,

2.0314, 0.1990,

0.3182

0.2657

384.0094, 0.2911,
0.3188

0.6256, 0.1289,
0.2367

0.0000, 0.0000,
0.0000

67.2923, 0.2745,
0.3104

67.2923, 0.2745,
0.3104

61.3933, 0.2598,
0.3017

73.8115, 0.2897,
0.3184

56.0802, 0.2460,
0.2925

80.9674, 0.3052,
0.3257

51.3269, 0.2335,
0.2827

88.7858, 0.3206,
0.3323

47.1021, 0.2225,
0.2727

93.7468, 0.3239,
0.3385

■ 43.3705, 0.2134,
0.2624

■ 97.7484, 0.3234,
0.3446

■ 40.0912, 0.2063,
0.2521

■ 98.8958, 0.3232,
0.3463

■ 37.2144, 0.2012,
0.2419

■ 35.8616, 0.1991,
0.2367

Harmonies

Analogous

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



67.2923, 0.2802, 0.3278



67.2923, 0.2745, 0.3104



67.2923, 0.2786, 0.2988

Triad

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



67.2923, 0.2745, 0.3104



67.2923, 0.3307, 0.3125



67.2923, 0.3334, 0.3645

Complementary

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



67.2923, 0.2745, 0.3104



59.8324, 0.3610, 0.3468

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.



67.2923, 0.3477, 0.3589



67.2923, 0.2745, 0.3104



67.2923, 0.3462, 0.3288

Square

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



67.2923, 0.2745, 0.3104



67.2923, 0.3106, 0.3005



67.2923, 0.3525, 0.3457



67.2923, 0.3138, 0.3600

Rectangle

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



67.2923, 0.2745, 0.3104



67.2923, 0.2864, 0.2956



67.2923, 0.3525, 0.3457



67.2923, 0.3390, 0.3637

Sweetspot

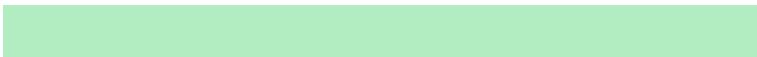
The Sweet Spot groups the original color and five complimentary colors.



67.2950, 0.2745, 0.3104



93.7152, 0.3019, 0.3242



73.9349, 0.3003, 0.3803



19.9468, 0.3009, 0.3238



0.0000, 0.0000, 0.0000



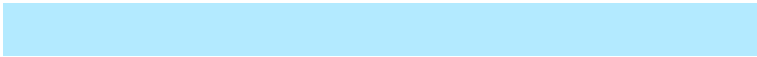
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2950, 0.2745, 0.3104



75.7134, 0.2667, 0.3060



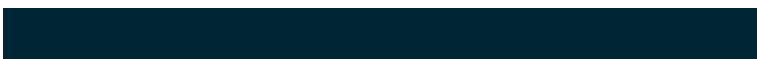
53.1927, 0.2714, 0.2752



16.3895, 0.2981, 0.3224



19.8037, 0.1996, 0.2384



1.7133, 0.2035, 0.2524

Inverse Universe

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



55.0807, 0.3283, 0.2830



59.2531, 0.3324, 0.2730



74.1377, 0.3536, 0.3776



15.2399, 0.3179, 0.3120



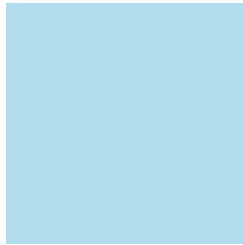
11.4920, 0.4040, 0.1999



0.9184, 0.3898, 0.1921

Previews

White Background



This preview shows how the Yxy color 67.2923, 0.2745, 0.3104 looks on a white background.

Color Contrast Check

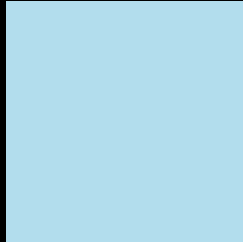
Large Text (above 18pt) WCAG AA × Fail

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 67.2923, 0.2745, 0.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

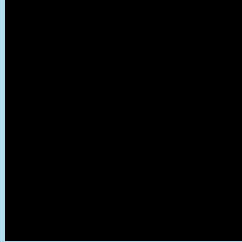
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2923, 0.2745, 0.3104

Background



This preview shows how black text looks on a background with the Yxy color 67.2923, 0.2745, 0.3104.

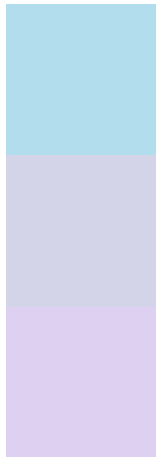


This preview shows how white text looks on a background with the Yxy color 67.2923, 0.2745, 0.3104.

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

67.2923, 0.2745, 0.3104

Protanopia

66.9102, 0.2994, 0.3069

Deuteranopia

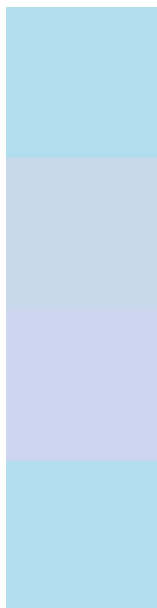
66.9326, 0.3012, 0.2947



Tritanopia

67.3509, 0.2739, 0.3093

Trichromacy



Original Color

67.2923, 0.2745, 0.3104

Protanomaly

66.8208, 0.2899, 0.3076

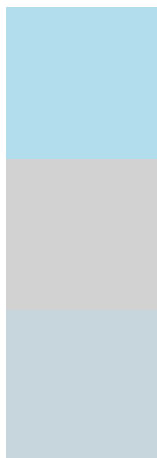
Deuteranomaly

66.9423, 0.2908, 0.3003

Tritanomaly

67.3509, 0.2739, 0.3093

Monochromacy



Original Color

67.2923, 0.2745, 0.3104

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.2662, 0.2973, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2923, 0.2745, 0.3104 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(178, 221, 237)` looks like.

```
.text, #text, p{  
    color:rgb(178, 221, 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(178, 221, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 221, 237) }
```

Border

The CSS property to change the border of an element to Yxy 67.2923, 0.2745, 0.3104 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(178, 221, 237) }
```

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

```
.border{ border-color:rgb(178, 221, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 221, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 221, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 221, 237); box-shadow:4px 4px 4px 4px rgb(178, 221, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2923, 0.2745, 0.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 221, 237) }
```

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

```
.background{ background-color: rgb(178,  
221, 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