

Converting Colors

$Y_{xy}(66.0070, 0.2856, 0.3250)$

Have a look what the booklet for
Yxy(66.0070, 0.2856, 0.3250)
contains.

Yxy(66.0042, 0.2862, 0.3254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.0042, 0.2862, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	B7DBDE
RGB	183, 219, 222
RGB Percent	72%, 86%, 87%
CMY	0.2821, 0.1412, 0.1294
CMYK	0.18, 0.01, 0.00, 0.13
HSL	185°, 37%, 79%
HSV	185°, 18%, 87%
XYZ	58.0529, 66.0042, 78.7831
YIQ	208.5780, -22.4190, -6.6990

Conversions

Conversions Part 2

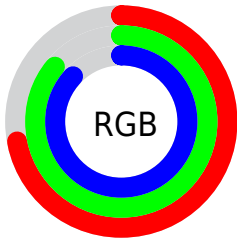
Format	Color
RYB	183, 202, 222
Decimal	12049374
CIELab	85.00, -11.11, -5.42
CIELCh	85, 12.361, 205.984
Yxy	66.0042, 0.2862, 0.3254
Android (android.graphics.Color)	4290239454 (0xFFB7DBDE)
YUV	208.5780, 6.6170, -22.4319
Hunter-Lab	81.2430, -14.6265, -0.6248

Details

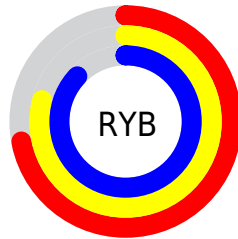
The Yxy color **66.0042, 0.2862, 0.3254** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0904, 0.3458, 0.3326**, and the grayscale version is **63.4453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **34.0081, 0.2794, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **62.6068, 0.2722, 0.3231**, and if you desaturate by 10%, it is **69.8456, 0.3011, 0.3275**.

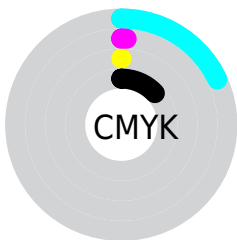
Distribution



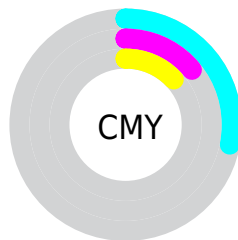
- Red (72%)
- Green (86%)
- Blue (87%)



- Red (72%)
- Yellow (79%)
- Blue (87%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)





- Cyan (28%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0042, 0.2862, 0.3254 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 66.0042, 0.2862, 0.3254 by changing the saturation by 10% instead.


 66.0042, 0.2862,
0.3254

 66.0042, 0.2862,
0.3254

446.3919, 0.2986,
0.3272

 48.2758, 0.2833,
0.3249

 113.4924, 0.2905,
0.3261

 34.0454, 0.2798,
0.3244


144.0209, 0.2922,
0.3263

 22.9284, 0.2752,
0.3236


179.5850, 0.2936,
0.3265

 14.5407, 0.2693,
0.3225

220.5690, 0.2949,
0.3267

 8.4977, 0.2611,
0.3209

267.3573, 0.2960,
0.3269

 4.4150, 0.2490,
0.3184

320.3343, 0.2970,

 1.9083, 0.2298,

0.3270

0.3138

379.8843, 0.2978,
0.3271

0.5534, 0.1424,
0.3093

0.0000, 0.0000,
0.0000

66.0042, 0.2862,
0.3254

66.0042, 0.2862,
0.3254

62.6068, 0.2722,
0.3231

69.8456, 0.3011,
0.3275

59.6251, 0.2594,
0.3207

74.1417, 0.3166,
0.3295

57.0401, 0.2480,
0.3182

78.9127, 0.3323,
0.3312

54.8282, 0.2383,
0.3156

80.8383, 0.3360,
0.3329

■ 52.9631, 0.2305,
0.3129

■ 81.7727, 0.3357,
0.3346

■ 51.4149, 0.2246,
0.3103

■ 82.7164, 0.3355,
0.3363

■ 50.1488, 0.2207,
0.3076

■ 83.6695, 0.3353,
0.3380

■ 49.1172, 0.2184,
0.3051

■ 84.6319, 0.3350,
0.3397

■ 48.8807, 0.2179,
0.3044

■ 85.6037, 0.3348,
0.3414

Harmonies

Analogous

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



66.0042, 0.2961, 0.3396



66.0042, 0.2862, 0.3254



66.0042, 0.2832, 0.3127

Triad

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



66.0042, 0.2862, 0.3254



66.0042, 0.3143, 0.3084



66.0042, 0.3379, 0.3534

Complementary

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



66.0042, 0.2862, 0.3254



54.0904, 0.3458, 0.3326

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.



66.0042, 0.3431, 0.3443



66.0042, 0.2862, 0.3254



66.0042, 0.3293, 0.3186

Square

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



66.0042, 0.2862, 0.3254



66.0042, 0.2992, 0.3033



66.0042, 0.3400, 0.3316



66.0042, 0.3259, 0.3560

Rectangle

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



66.0042, 0.2862, 0.3254



66.0042, 0.2855, 0.3067



66.0042, 0.3400, 0.3316



66.0042, 0.3405, 0.3510

Sweetspot

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



66.0069, 0.2862, 0.3254



97.0361, 0.3049, 0.3280



65.8439, 0.3088, 0.3732



20.6833, 0.3038, 0.3279



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.



66.0069, 0.2862, 0.3254



88.6146, 0.2810, 0.3246



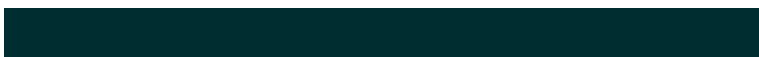
56.6223, 0.2850, 0.3025



15.3820, 0.2982, 0.3271



29.1101, 0.2180, 0.3048



2.0723, 0.2191, 0.3088

Inverse Universe

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



54.5314, 0.3171, 0.2889



70.2004, 0.3181, 0.2804



62.6699, 0.3421, 0.3542



13.9165, 0.3150, 0.3077



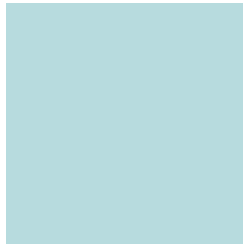
11.8467, 0.3412, 0.1653



0.8267, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 66.0042, 0.2862, 0.3254 looks on a white background.

Color Contrast Check

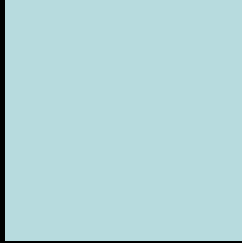
Large Text (above 18pt) WCAG AA × Fail

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 66.0042, 0.2862, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

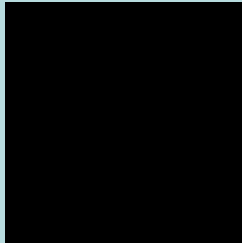
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

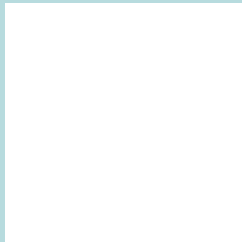
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0042, 0.2862, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 66.0042, 0.2862, 0.3254.

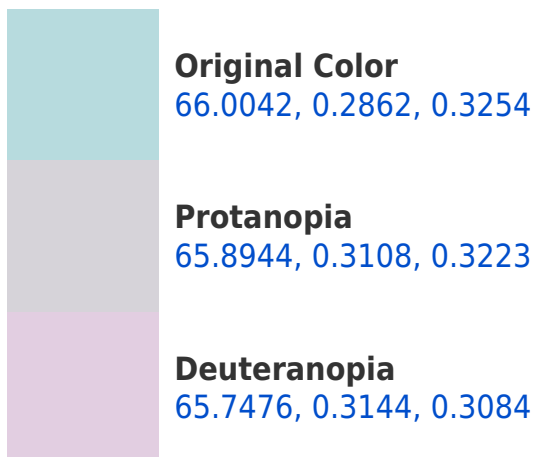


This preview shows how white text looks on a background with the Yxy color 66.0042, 0.2862, 0.3254.

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

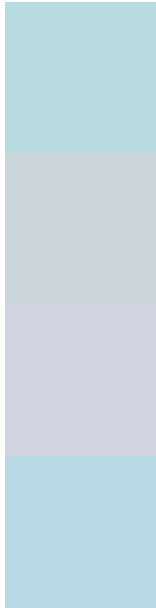




Tritanopia

65.8805, 0.2802, 0.3093

Trichromacy



Original Color

66.0042, 0.2862, 0.3254

Protanomaly

65.9041, 0.3015, 0.3233

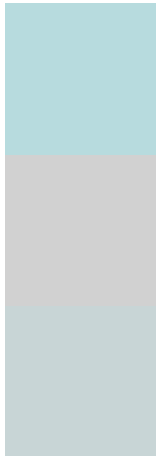
Deuteranomaly

65.6720, 0.3032, 0.3144

Tritanomaly

66.0463, 0.2820, 0.3150

Monochromacy



Original Color

66.0042, 0.2862, 0.3254

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7229, 0.3026, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0042, 0.2862, 0.3254 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(183, 219, 222)` looks like.

```
.text, #text, p{  
    color:rgb(183, 219, 222)  
}
```

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(183, 219, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 219, 222) }
```

Border

The CSS property to change the border of an element to Yxy 66.0042, 0.2862, 0.3254 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(183, 219, 222) }
```

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

```
.border{ border-color:rgb(183, 219, 222) }
```

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

Here you see how a box with a 4 pixel rgb(183, 219, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 219, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 219, 222);  
box-shadow:4px 4px 4px 4px rgb(183, 219,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0042, 0.2862, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 219, 222) }
```

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

```
.background{ background-color: rgb(183,  
219, 222) }
```

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