

Converting Colors

Yxy(64.9000, 0.2878, 0.3319)

Have a look what the booklet for
Yxy(64.9000, 0.2878, 0.3319)
contains.

Yxy(64.8040, 0.2878, 0.3313)	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(64.8040, 0.2878, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	B4DAD8
RGB	180, 218, 216
RGB Percent	71%, 85%, 85%
CMY	0.2940, 0.1451, 0.1529
CMYK	0.17, 0.00, 0.01, 0.15
HSL	177°, 34%, 78%
HSV	177°, 17%, 85%
XYZ	56.2952, 64.8040, 74.5060
YIQ	206.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

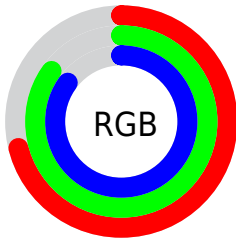
Format	Color
RYB	180, 200, 218
Decimal	11852504
CIELab	84.38, -12.78, -3.17
CIELCh	84, 13.169, 193.918
Yxy	64.8040, 0.2878, 0.3313
Android (android.graphics.Color)	4290042584 (0xFFB4DAD8)
YUV	206.4100, 4.7279, -23.1616
Hunter-Lab	80.5009, -16.0496, 1.4760

Details

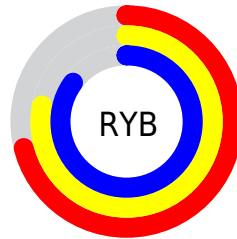
The Yxy color **64.8040, 0.2878, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.9431, 0.3444, 0.3267**, and the grayscale version is **61.9835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **33.2796, 0.2822, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **62.3330, 0.2748, 0.3328**, and if you desaturate by 10%, it is **67.6923, 0.3018, 0.3299**.

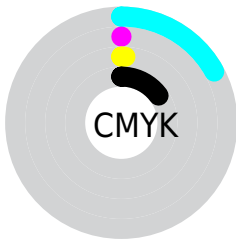
Distribution



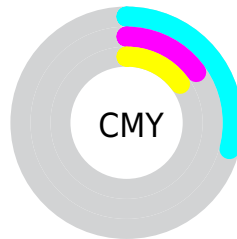
- Red (71%)
- Green (85%)
- Blue (85%)



- Red (71%)
- Yellow (78%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)




- Cyan (29%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8040, 0.2878, 0.3313 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 64.8040, 0.2878, 0.3313 by changing the saturation by 10% instead.

 64.8040, 0.2878,
0.3313

 64.8040, 0.2878,
0.3313


442.0873, 0.2995,
0.3303

 47.3022, 0.2851,
0.3315


 111.7680, 0.2919,
0.3310

 33.2746, 0.2817,
0.3318


141.9990, 0.2935,
0.3308

 22.3369, 0.2774,
0.3320


177.2418, 0.2948,
0.3307

 14.1046, 0.2716,
0.3324

217.8809, 0.2960,
0.3306

 8.1935, 0.2637,
0.3328

264.3006, 0.2971,
0.3305

 4.2190, 0.2520,
0.3333

316.8853, 0.2980,

 1.7968, 0.2330,

0.3305

376.0194, 0.2988,
0.3304

0.3337

0.4852, 0.1077,
0.3506

0.0000, 0.0000,
0.0000

64.8040, 0.2878,
0.3313

64.8040, 0.2878,
0.3313

62.3330, 0.2748,
0.3328

67.6923, 0.3018,
0.3299

60.2520, 0.2630,
0.3344


71.0078, 0.3166,
0.3287

58.5430, 0.2528,
0.3360


74.7699, 0.3318,
0.3276


57.1835, 0.2444,
0.3377


76.5988, 0.3380,
0.3265


 56.1483, 0.2378,
0.3395


 76.6600, 0.3372,
0.3253


 55.4091, 0.2332,
0.3412

 76.7216, 0.3364,
0.3242


 54.9325, 0.2305,
0.3430

 76.7836, 0.3356,
0.3230

 54.6736, 0.2294,
0.3447

 76.8460, 0.3348,
0.3219

 54.6227, 0.2292,
0.3451

 76.9088, 0.3340,
0.3207

Harmonies

Analogous

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



64.8040, 0.3008, 0.3459



64.8040, 0.2878, 0.3313



64.8040, 0.2814, 0.3165

Triad

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



64.8040, 0.2878, 0.3313



64.8040, 0.3076, 0.3040



64.8040, 0.3430, 0.3519

Complementary

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



64.8040, 0.2878, 0.3313



50.9431, 0.3444, 0.3267

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.



64.8040, 0.3451, 0.3402



64.8040, 0.2878, 0.3313



64.8040, 0.3243, 0.3129

Square

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



64.8040, 0.2878, 0.3313



64.8040, 0.2926, 0.3012



64.8040, 0.3381, 0.3260



64.8040, 0.3327, 0.3578

Rectangle

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



64.8040, 0.2878, 0.3313



64.8040, 0.2817, 0.3086



64.8040, 0.3381, 0.3260



64.8040, 0.3447, 0.3485

Sweetspot

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



64.8067, 0.2878, 0.3313



97.6184, 0.3053, 0.3296



63.4524, 0.3123, 0.3758



20.8254, 0.3042, 0.3297



0.0000, 0.0000, 0.0000



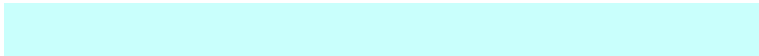
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8067, 0.2878, 0.3313



91.0399, 0.2827, 0.3318



56.7997, 0.2856, 0.3090



14.8171, 0.2989, 0.3302



32.7313, 0.2291, 0.3449



2.1242, 0.2284, 0.3421

Inverse Universe

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



50.9431, 0.3444, 0.3267



67.6158, 0.3530, 0.3262



57.9023, 0.3428, 0.3482



13.0626, 0.3283, 0.3278



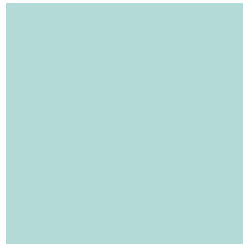
8.9499, 0.6341, 0.3267



0.5838, 0.6166, 0.3170

Previews

White Background



This preview shows how the Yxy color 64.8040, 0.2878, 0.3313 looks on a white background.

Color Contrast Check

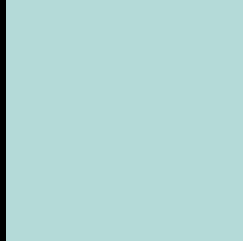
Large Text (above 18pt) WCAG AA × Fail

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 64.8040, 0.2878, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

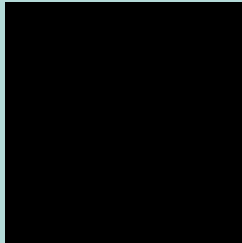
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

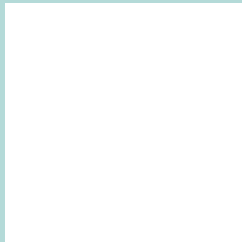
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8040, 0.2878, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 64.8040, 0.2878, 0.3313.

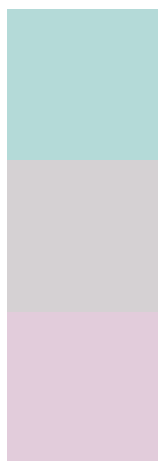


This preview shows how white text looks on a background with the Yxy color 64.8040, 0.2878, 0.3313.

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

64.8040, 0.2878, 0.3313

Protanopia

64.4502, 0.3143, 0.3267

Deuteranopia

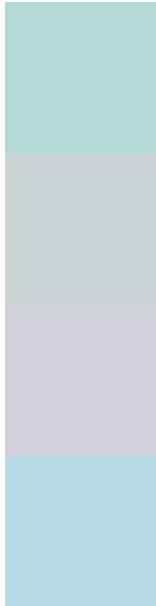
64.4690, 0.3188, 0.3126



Tritanopia

64.5513, 0.2793, 0.3080

Trichromacy



Original Color

64.8040, 0.2878, 0.3313

Protanomaly

64.3086, 0.3040, 0.3278

Deuteranomaly

64.2182, 0.3065, 0.3188

Tritanomaly

64.6029, 0.2823, 0.3160

Monochromacy



Original Color

64.8040, 0.2878, 0.3313

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.6166, 0.3032, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8040, 0.2878, 0.3313 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(180, 218, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 218, 216)  
}
```

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(180, 218, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 218, 216) }
```

Border

The CSS property to change the border of an element to Yxy 64.8040, 0.2878, 0.3313 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(180, 218, 216) }
```

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

```
.border{ border-color:rgb(180, 218, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 218, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 218, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 218, 216);  
box-shadow:4px 4px 4px 4px rgb(180, 218,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8040, 0.2878, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 218, 216) }
```

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

```
.background{ background-color: rgb(180,  
218, 216) }
```

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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