

Converting Colors

$Yxy(70.4364, 0.2880, 0.3344)$

Have a look what the booklet for
Yxy(70.4364, 0.2880, 0.3344)
contains.

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Color

Yxy(70.5264, 0.2879, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	B9E3DE
RGB	185, 227, 222
RGB Percent	73%, 89%, 87%
CMY	0.2744, 0.1098, 0.1294
CMYK	0.18, 0.00, 0.02, 0.11
HSL	173°, 43%, 81%
HSV	173°, 18%, 89%
XYZ	60.6649, 70.5264, 79.5239
YIQ	213.8720, -23.4270, -10.4590

Conversions

Conversions Part 2

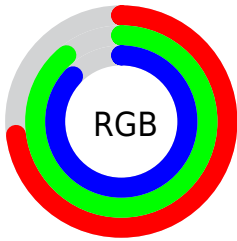
Format	Color
RYB	185, 207, 227
Decimal	12182494
CIELab	87.25, -14.57, -2.09
CIELCh	87, 14.714, 188.155
Yxy	70.5264, 0.2879, 0.3347
Android (android.graphics.Color)	4290372574 (0xFFB9E3DE)
YUV	213.8720, 4.0071, -25.3207
Hunter-Lab	83.9800, -18.0213, 2.6420

Details

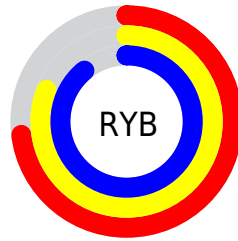
The Yxy color **70.5264, 0.2879, 0.3347** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7559, 0.3445, 0.3234**, and the grayscale version is **67.1429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **37.1204, 0.2819, 0.3366** is the 20% darker color. If you saturate the color by 10%, you get **67.7837, 0.2757, 0.3382**, and if you desaturate by 10%, it is **73.7280, 0.3010, 0.3315**.

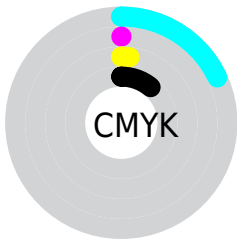
Distribution



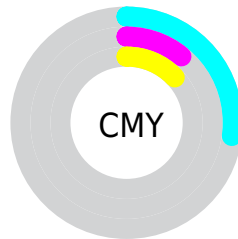
- Red (73%)
- Green (89%)
- Blue (87%)



- Red (73%)
- Yellow (81%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5264, 0.2879, 0.3347 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 70.5264, 0.2879, 0.3347 by changing the saturation by 10% instead.


 70.5264, 0.2879,
0.3347

 70.5264, 0.2879,
0.3347


462.3961, 0.2994,
0.3321

 51.9558, 0.2853,
0.3353


 119.9591, 0.2919,
0.3338

 36.9698, 0.2820,
0.3360


151.5900, 0.2934,
0.3335

 25.1841, 0.2779,
0.3369


188.3432, 0.2948,
0.3332

 16.2143, 0.2725,
0.3380

230.6030, 0.2959,
0.3329

 9.6759, 0.2651,
0.3395

278.7537, 0.2970,
0.3327

 5.1846, 0.2544,
0.3416

333.1799, 0.2979,

 2.3560, 0.2375,

0.3325

394.2659, 0.2987,
0.3323

0.3447

0.8031, 0.1827,
0.3598

0.0000, 0.0000,
0.0000

70.5264, 0.2879,
0.3347

70.5264, 0.2879,
0.3347

67.7837, 0.2757,
0.3382

73.7280, 0.3010,
0.3315

65.4698, 0.2647,
0.3419

77.3996, 0.3148,
0.3286

63.5645, 0.2552,
0.3458

81.5630, 0.3290,
0.3260

62.0426, 0.2475,
0.3498

82.0708, 0.3285,
0.3233

■ 60.8761, 0.2416,
0.3540

■ 82.2263, 0.3267,
0.3206

■ 60.0329, 0.2377,
0.3581

■ 82.3841, 0.3249,
0.3180

■ 59.4756, 0.2357,
0.3623

■ 82.5444, 0.3231,
0.3154

■ 59.1487, 0.2353,
0.3664

■ 82.7070, 0.3213,
0.3127

■ 59.1075, 0.2353,
0.3670

■ 82.8720, 0.3196,
0.3101

Harmonies

Analogous

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



70.5264, 0.3030, 0.3500



70.5264, 0.2879, 0.3347



70.5264, 0.2795, 0.3182

Triad

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



70.5264, 0.2879, 0.3347



70.5264, 0.3037, 0.3007



70.5264, 0.3468, 0.3517

Complementary

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



70.5264, 0.2879, 0.3347



54.7559, 0.3445, 0.3234

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.



70.5264, 0.3472, 0.3382



70.5264, 0.2879, 0.3347



70.5264, 0.3219, 0.3093

Square

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



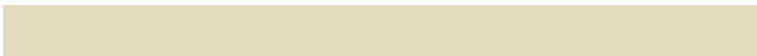
70.5264, 0.2879, 0.3347



70.5264, 0.2884, 0.2992



70.5264, 0.3379, 0.3228



70.5264, 0.3371, 0.3597

Rectangle

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



70.5264, 0.2879, 0.3347



70.5264, 0.2786, 0.3090



70.5264, 0.3379, 0.3228



70.5264, 0.3480, 0.3477

Sweetspot

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



70.5293, 0.2879, 0.3347



97.0960, 0.3044, 0.3308



69.4689, 0.3142, 0.3788



20.7178, 0.3035, 0.3310



0.0000, 0.0000, 0.0000



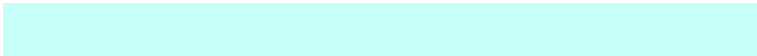
21.4041, 0.3127, 0.3290

Same Dimension

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



70.5293, 0.2879, 0.3347



90.4458, 0.2833, 0.3359



62.7540, 0.2840, 0.3109



16.3053, 0.2997, 0.3318



34.4831, 0.2351, 0.3664



2.5566, 0.2334, 0.3604

Inverse Universe

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



54.7559, 0.3445, 0.3234



66.4966, 0.3525, 0.3222



61.3348, 0.3456, 0.3464



14.3958, 0.3274, 0.3262



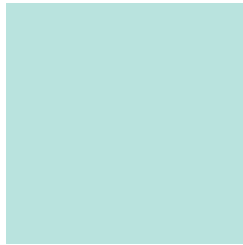
9.5793, 0.6250, 0.3217



0.7171, 0.5939, 0.3046

Previews

White Background



This preview shows how the Yxy color 70.5264, 0.2879, 0.3347 looks on a white background.

Color Contrast Check

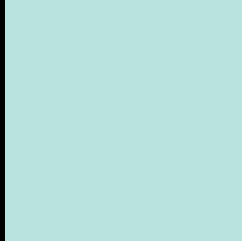
Large Text (above 18pt) WCAG AA × Fail

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 70.5264, 0.2879, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

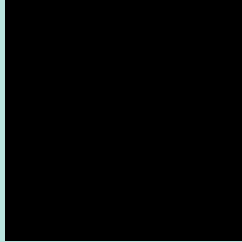
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

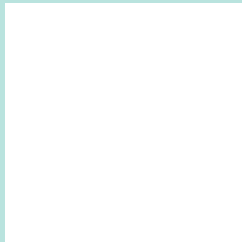
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5264, 0.2879, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 70.5264, 0.2879, 0.3347.

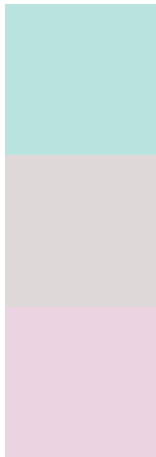


This preview shows how white text looks on a background with the Yxy color 70.5264, 0.2879, 0.3347.

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

70.5264, 0.2879, 0.3347

Protanopia

70.1132, 0.3170, 0.3301

Deuteranopia

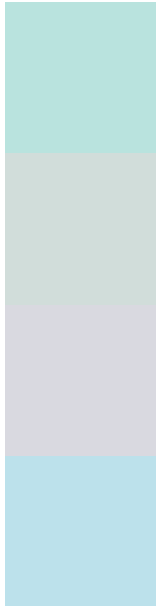
69.8576, 0.3216, 0.3143



Tritanopia

70.5409, 0.2787, 0.3087

Trichromacy



Original Color

70.5264, 0.2879, 0.3347

Protanomaly

70.3302, 0.3062, 0.3323

Deuteranomaly

69.7592, 0.3081, 0.3213

Tritanomaly

70.5400, 0.2821, 0.3176

Monochromacy



Original Color

70.5264, 0.2879, 0.3347

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.3693, 0.3027, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5264, 0.2879, 0.3347 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(185, 227, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 227, 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(185, 227, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 227, 222) }
```

Border

The CSS property to change the border of an element to Yxy 70.5264, 0.2879, 0.3347 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(185, 227, 222) }
```

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

```
.border{ border-color:rgb(185, 227, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 227, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 227, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 227, 222); box-shadow:4px 4px 4px 4px rgb(185, 227, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5264, 0.2879, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 227, 222) }
```

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

```
.background{ background-color: rgb(185,  
227, 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](#).

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