

Converting Colors

$Yxy(64.1427, 0.2834, 0.3206)$

Have a look what the booklet for
Yxy(64.1427, 0.2834, 0.3206)
contains.

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Color

Yxy(64.1427, 0.2834, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	B4D8DF
RGB	180, 216, 223
RGB Percent	71%, 85%, 87%
CMY	0.2941, 0.1529, 0.1254
CMYK	0.19, 0.03, 0.00, 0.13
HSL	190°, 40%, 79%
HSV	190°, 19%, 87%
XYZ	56.7001, 64.1427, 79.2280
YIQ	206.0340, -23.7030, -5.4550

Conversions

Conversions Part 2

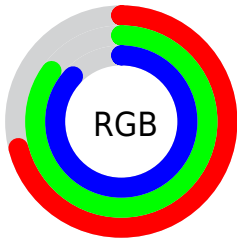
Format	Color
RYB	180, 200, 223
Decimal	11851999
CIELab	84.04, -10.30, -7.41
CIELCh	84, 12.687, 215.713
Yxy	64.1427, 0.2834, 0.3206
Android (android.graphics.Color)	4290042079 (0xFFB4D8DF)
YUV	206.0340, 8.3642, -22.8318
Hunter-Lab	80.0891, -13.7848, -2.5901

Details

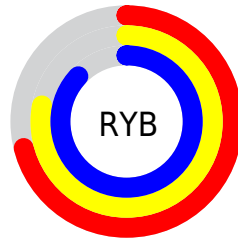
The Yxy color **64.1427, 0.2834, 0.3206** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.5416, 0.3491, 0.3372**, and the grayscale version is **61.7032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **32.7525, 0.2758, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **59.8336, 0.2691, 0.3157**, and if you desaturate by 10%, it is **68.9291, 0.2984, 0.3251**.

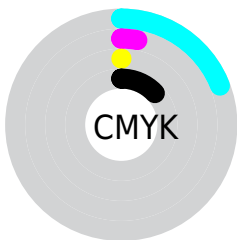
Distribution



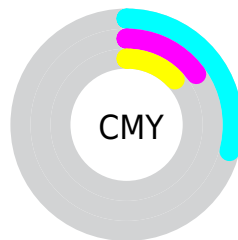
- Red (71%)
- Green (85%)
- Blue (87%)



- Red (71%)
- Yellow (78%)
- Blue (87%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1427, 0.2834, 0.3206 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 64.1427, 0.2834, 0.3206 by changing the saturation by 10% instead.

■ 64.1427, 0.2834,
0.3206

■ 64.1427, 0.2834,
0.3206

439.7048, 0.2972,
0.3247

■ 46.7663, 0.2802,
0.3196

■ 110.8164, 0.2882,
0.3221

■ 32.8509, 0.2762,
0.3183

140.8825, 0.2901,
0.3226

■ 22.0123, 0.2712,
0.3166

175.9472, 0.2917,
0.3231

■ 13.8659, 0.2645,
0.3144

216.3950, 0.2931,
0.3235

■ 8.0275, 0.2553,
0.3111

262.6103, 0.2943,
0.3239

■ 4.1125, 0.2418,
0.3060

314.9774, 0.2953,

■ 1.7367, 0.2201,

0.3242

0.2970

373.8808, 0.2963,
0.3245

0.4473, 0.1068,
0.2750

0.0000, 0.0000,
0.0000

64.1427, 0.2834,
0.3206

64.1427, 0.2834,
0.3206

59.8336, 0.2691,
0.3157

68.9291, 0.2984,
0.3251

55.9732, 0.2557,
0.3105

74.2045, 0.3138,
0.3293

52.5416, 0.2437,
0.3049

79.9898, 0.3293,
0.3330

49.5141, 0.2333,
0.2992

83.5066, 0.3346,
0.3366

46.8635, 0.2246,
0.2934

85.5632, 0.3342,
0.3402

44.5584, 0.2179,
0.2875

87.6624, 0.3337,
0.3437

42.5622, 0.2132,
0.2816

89.8046, 0.3332,
0.3473

40.8153, 0.2100,
0.2758

91.9900, 0.3328,
0.3508

40.6967, 0.2098,
0.2754

94.2188, 0.3323,
0.3543

Harmonies

Analogous

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



64.1427, 0.2915, 0.3353



64.1427, 0.2834, 0.3206



64.1427, 0.2829, 0.3087

Triad

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



64.1427, 0.2834, 0.3206



64.1427, 0.3196, 0.3106



64.1427, 0.3354, 0.3560

Complementary

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



64.1427, 0.2834, 0.3206



54.5416, 0.3491, 0.3372

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.



64.1427, 0.3434, 0.3485



64.1427, 0.2834, 0.3206



64.1427, 0.3342, 0.3224

Square

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



64.1427, 0.2834, 0.3206



64.1427, 0.3035, 0.3034



64.1427, 0.3430, 0.3362



64.1427, 0.3214, 0.3562

Rectangle

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



64.1427, 0.2834, 0.3206



64.1427, 0.2869, 0.3039



64.1427, 0.3430, 0.3362



64.1427, 0.3389, 0.3542

Sweetspot

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



64.1453, 0.2834, 0.3206



95.6280, 0.3034, 0.3265



66.0613, 0.3062, 0.3737



20.3697, 0.3024, 0.3263



0.0000, 0.0000, 0.0000



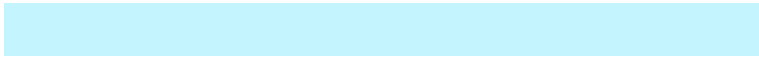
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1453, 0.2834, 0.3206



84.5598, 0.2778, 0.3187



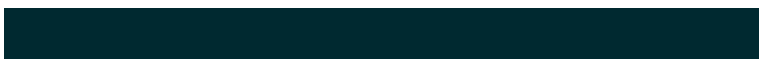
54.0894, 0.2819, 0.2951



15.1710, 0.2982, 0.3251



24.0621, 0.2101, 0.2763



1.7709, 0.2126, 0.2853

Inverse Universe

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



53.2925, 0.3205, 0.2887



67.5160, 0.3223, 0.2804



64.0864, 0.3447, 0.3608



13.8951, 0.3163, 0.3096



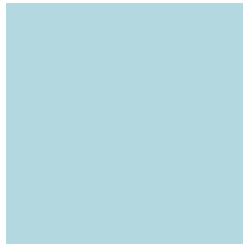
11.3371, 0.3669, 0.1795



0.7962, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 64.1427, 0.2834, 0.3206 looks on a white background.

Color Contrast Check

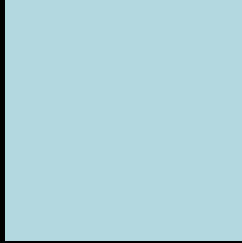
Large Text (above 18pt) WCAG AA × Fail

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 64.1427, 0.2834, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

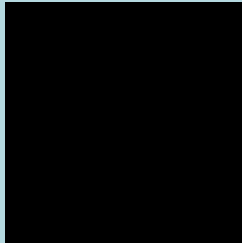
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

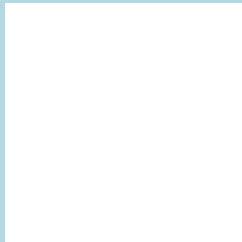
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1427, 0.2834, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 64.1427, 0.2834, 0.3206.

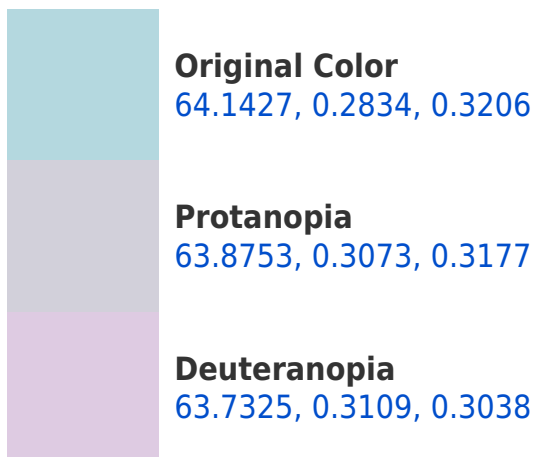


This preview shows how white text looks on a background with the Yxy color 64.1427, 0.2834, 0.3206.

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

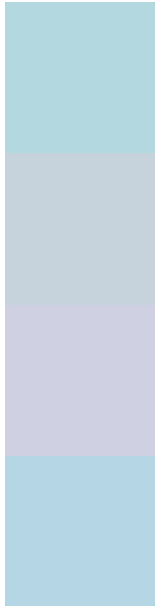




Tritanopia

64.3722, 0.2793, 0.3091

Trichromacy



Original Color

64.1427, 0.2834, 0.3206

Protanomaly

63.8980, 0.2980, 0.3186

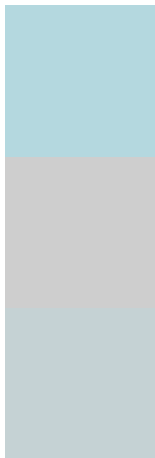
Deuteranomaly

63.8134, 0.3004, 0.3098

Tritanomaly

64.0818, 0.2804, 0.3125

Monochromacy



Original Color

64.1427, 0.2834, 0.3206

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.7170, 0.3018, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1427, 0.2834, 0.3206 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, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(180, 216, 223)  
}
```

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, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 216, 223) }
```

Border

The CSS property to change the border of an element to Yxy 64.1427, 0.2834, 0.3206 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, 216, 223) }
```

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

```
.border{ border-color:rgb(180, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(180, 216,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1427, 0.2834, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 216, 223) }
```

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

```
.background{ background-color: rgb(180,  
216, 223) }
```

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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