

Converting Colors

$Yxy(64.3556, 0.2994, 0.3585)$

Have a look what the booklet for
Yxy(64.3556, 0.2994, 0.3585)
contains.

Yxy(64.0681, 0.2995, 0.3584)	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(64.0681, 0.2995, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	B2DBC3
RGB	178, 219, 195
RGB Percent	70%, 86%, 76%
CMY	0.3020, 0.1411, 0.2354
CMYK	0.19, 0.00, 0.11, 0.14
HSL	145°, 36%, 78%
HSV	145°, 19%, 86%
XYZ	53.5391, 64.0681, 61.1543
YIQ	204.0050, -16.7320, -16.1560

Conversions

Conversions Part 2

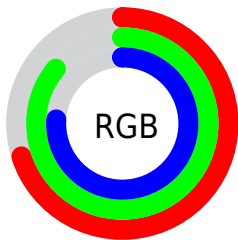
Format	Color
RYB	178, 207, 219
Decimal	11721667
CIELab	84.00, -18.11, 7.40
CIElCh	84, 19.560, 157.762
Yxy	64.0681, 0.2995, 0.3584
Android (android.graphics.Color)	4289911747 (0xFFB2DBC3)
YUV	204.0050, -4.4395, -22.8064
Hunter-Lab	80.0426, -20.6790, 10.7309

Details

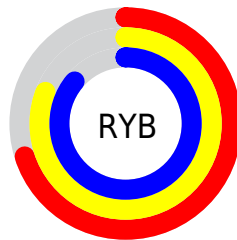
The Yxy color **64.0681, 0.2995, 0.3584** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1693, 0.3286, 0.3013**, and the grayscale version is **60.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0407, 0.3016, 0.3319**, and **32.8340, 0.2965, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **61.1276, 0.2929, 0.3767**, and if you desaturate by 10%, it is **67.4775, 0.3065, 0.3419**.

Distribution



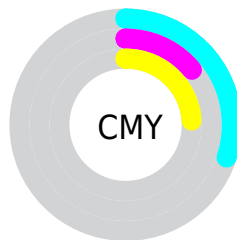
- Red (70%)
- Green (86%)
- Blue (76%)



- Red (70%)
- Yellow (81%)
- Blue (86%)



- Cyan (19%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)




- Cyan (30%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0681, 0.2995, 0.3584 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 64.0681, 0.2995, 0.3584 by changing the saturation by 10% instead.

 64.0681, 0.2995,
0.3584

 64.0681, 0.2995,
0.3584


439.4355, 0.3059,
0.3442

 46.7058, 0.2980,
0.3618

 110.7090, 0.3018,
0.3533

 32.8032, 0.2960,
0.3661


140.7564, 0.3027,
0.3514

 21.9757, 0.2935,
0.3718


175.8010, 0.3034,
0.3498

 13.8390, 0.2900,
0.3794


216.2272, 0.3040,
0.3483

 8.0088, 0.2851,
0.3903

262.4194, 0.3046,
0.3471

 4.1006, 0.2774,
0.4072

314.7619, 0.3051,

 1.7300, 0.2640,

0.3460

0.4368

373.6391, 0.3055,
0.3450

0.4430, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0681, 0.2995,
0.3584

64.0681, 0.2995,
0.3584

61.1276, 0.2929,
0.3767

67.4775, 0.3065,
0.3419

58.6271, 0.2868,
0.3967

71.3672, 0.3136,
0.3272

56.5469, 0.2818,
0.4182

75.7582, 0.3207,
0.3142

54.8623, 0.2780,
0.4408

78.6007, 0.3201,
0.3022

■ 53.5462, 0.2758,
0.4639

■ 79.1468, 0.3144,
0.2940

■ 52.5680, 0.2754,
0.4867

■ 51.8915, 0.2770,
0.5083

■ 51.4620, 0.2803,
0.5281

■ 51.4155, 0.2807,
0.5305

Harmonies

Analogous

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



64.0681, 0.3241, 0.3711



64.0681, 0.2995, 0.3584



64.0681, 0.2790, 0.3370

Triad

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



64.0681, 0.2995, 0.3584



64.0681, 0.2792, 0.2884



64.0681, 0.3601, 0.3409

Complementary

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



64.0681, 0.2995, 0.3584



51.1693, 0.3286, 0.3013

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.



64.0681, 0.3472, 0.3201



64.0681, 0.2995, 0.3584



64.0681, 0.2999, 0.2906

Square

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



64.0681, 0.2995, 0.3584



64.0681, 0.2676, 0.2966



64.0681, 0.3248, 0.3021



64.0681, 0.3597, 0.3596

Rectangle

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



64.0681, 0.2995, 0.3584



64.0681, 0.2702, 0.3214



64.0681, 0.3248, 0.3021



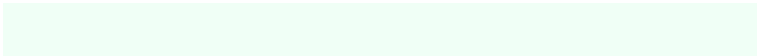
64.0681, 0.3572, 0.3339

Sweetspot

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



64.0708, 0.2995, 0.3584



96.6485, 0.3084, 0.3378



66.5225, 0.3283, 0.3773



20.6119, 0.3079, 0.3388



0.0000, 0.0000, 0.0000



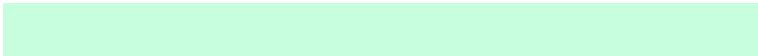
21.4041, 0.3127, 0.3290

Same Dimension

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



64.0708, 0.2995, 0.3584



88.9283, 0.2971, 0.3645



65.0336, 0.2872, 0.3338



14.6952, 0.3060, 0.3430



30.5053, 0.2799, 0.5277



1.9932, 0.2708, 0.4950

Inverse Universe

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



51.1693, 0.3286, 0.3013



67.8751, 0.3322, 0.2960



50.2847, 0.3456, 0.3243



13.1790, 0.3201, 0.3154



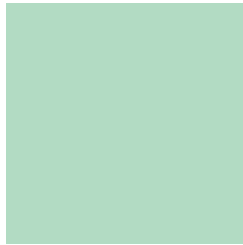
9.8824, 0.4589, 0.2302



0.6572, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 64.0681, 0.2995, 0.3584 looks on a white background.

Color Contrast Check

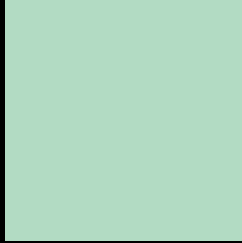
Large Text (above 18pt) WCAG AA × Fail

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 64.0681, 0.2995, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

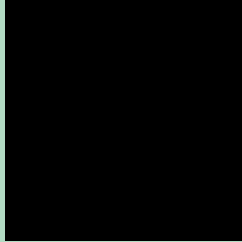
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

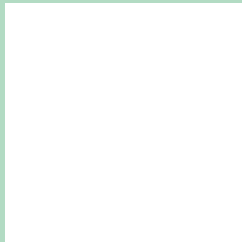
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0681, 0.2995, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 64.0681, 0.2995, 0.3584.

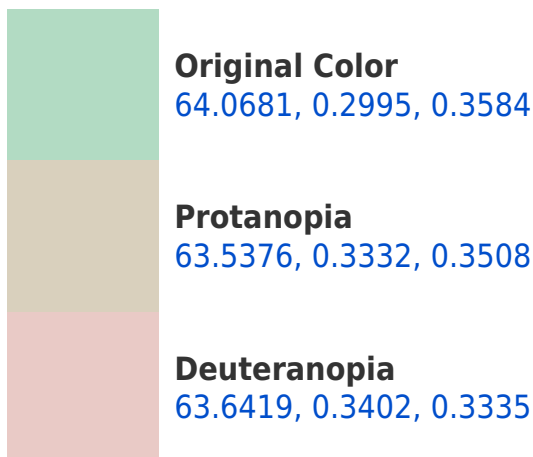


This preview shows how white text looks on a background with the Yxy color 64.0681, 0.2995, 0.3584.

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

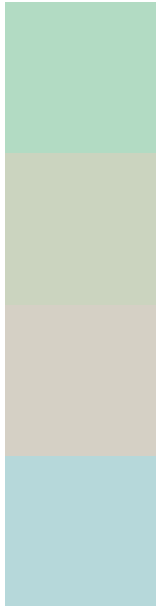




Tritanopia

64.0530, 0.2811, 0.3092

Trichromacy



Original Color

64.0681, 0.2995, 0.3584

Protanomaly

63.5451, 0.3205, 0.3537

Deuteranomaly

63.2891, 0.3243, 0.3417

Tritanomaly

64.1188, 0.2878, 0.3266

Monochromacy



Original Color

64.0681, 0.2995, 0.3584

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4201, 0.3078, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0681, 0.2995, 0.3584 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, 219, 195)` looks like.

```
.text, #text, p{  
    color:rgb(178, 219, 195)  
}
```

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, 219, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 219, 195) }
```

Border

The CSS property to change the border of an element to Yxy 64.0681, 0.2995, 0.3584 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, 219, 195) }
```

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

```
.border{ border-color:rgb(178, 219, 195) }
```

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

Here you see how a box with a 4 pixel rgb(178, 219, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 219, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 219, 195);  
box-shadow:4px 4px 4px 4px rgb(178, 219,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0681, 0.2995, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 219, 195) }
```

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

```
.background{ background-color: rgb(178,  
219, 195) }
```

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