

Converting Colors

Yxy(65.5026, 0.2996, 0.3491)

Have a look what the booklet for
Yxy(65.5026, 0.2996, 0.3491)
contains.

Yxy(65.2891, 0.2992, 0.3481)	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(65.2891, 0.2992, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	B9DBC8
RGB	185, 219, 203
RGB Percent	73%, 86%, 80%
CMY	0.2746, 0.1412, 0.2039
CMYK	0.16, 0.00, 0.07, 0.14
HSL	152°, 32%, 79%
HSV	152°, 16%, 86%
XYZ	56.1175, 65.2891, 66.1519
YIQ	207.0100, -15.1280, -12.1840

Conversions

Conversions Part 2

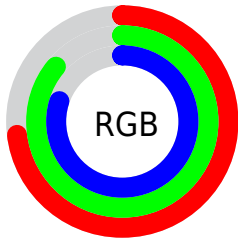
Format	Color
RYB	185, 207, 219
Decimal	12180427
CIELab	84.63, -14.30, 4.11
CIELCh	85, 14.881, 163.954
Yxy	65.2891, 0.2992, 0.3481
Android (android.graphics.Color)	4290370507 (0xFFB9DBC8)
YUV	207.0100, -1.9769, -19.3028
Hunter-Lab	80.8017, -17.4331, 8.0208

Details

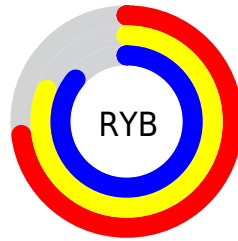
The Yxy color **65.2891, 0.2992, 0.3481** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.9706, 0.3287, 0.3107**, and the grayscale version is **62.4246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **33.6264, 0.2961, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **62.3000, 0.2909, 0.3622**, and if you desaturate by 10%, it is **68.7358, 0.3078, 0.3354**.

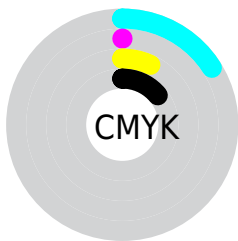
Distribution



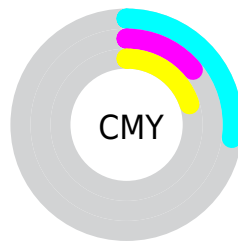
- Red (73%)
- Green (86%)
- Blue (80%)



- Red (73%)
- Yellow (81%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



- Cyan (27%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2891, 0.2992, 0.3481 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 65.2891, 0.2992, 0.3481 by changing the saturation by 10% instead.

■ 65.2891, 0.2992,
0.3481

■ 65.2891, 0.2992,
0.3481

443.8301, 0.3056,
0.3390

■ 47.6955, 0.2977,
0.3503

■ 112.4654, 0.3015,
0.3449

■ 33.5858, 0.2958,
0.3530

142.8169, 0.3023,
0.3436

■ 22.5756, 0.2933,
0.3565

178.1899, 0.3031,
0.3426

■ 14.2805, 0.2900,
0.3613

218.9687, 0.3037,
0.3417

■ 8.3160, 0.2854,
0.3680

265.5377, 0.3043,
0.3409

■ 4.2978, 0.2784,
0.3782

318.2814, 0.3048,

■ 1.8415, 0.2666,

0.3401

377.5840, 0.3052,
0.3395

0.3956

0.5128, 0.1500,
0.5562

0.0000, 0.0000,
0.0000

65.2891, 0.2992,
0.3481

65.2891, 0.2992,
0.3481

62.3000, 0.2909,
0.3622

68.7358, 0.3078,
0.3354

59.7405, 0.2834,
0.3776

72.6505, 0.3167,
0.3241

57.5921, 0.2768,
0.3942

77.0533, 0.3255,
0.3141

55.8317, 0.2715,
0.4118

78.4702, 0.3215,
0.3042

■ 54.4337, 0.2679,
0.4301

■ 79.1140, 0.3147,
0.2945

■ 53.3694, 0.2661,
0.4487

■ 79.1465, 0.3144,
0.2940

■ 52.6056, 0.2664,
0.4670

■ 52.1013, 0.2687,
0.4847

■ 51.9284, 0.2701,
0.4923

Harmonies

Analogous

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



65.2891, 0.3176, 0.3593



65.2891, 0.2992, 0.3481



65.2891, 0.2847, 0.3315

Triad

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



65.2891, 0.2992, 0.3481



65.2891, 0.2901, 0.2978



65.2891, 0.3492, 0.3415

Complementary

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



65.2891, 0.2992, 0.3481



53.9706, 0.3287, 0.3107

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.



65.2891, 0.3414, 0.3256



65.2891, 0.2992, 0.3481



65.2891, 0.3069, 0.3009

Square

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



65.2891, 0.2992, 0.3481



65.2891, 0.2795, 0.3026



65.2891, 0.3258, 0.3110



65.2891, 0.3469, 0.3547

Rectangle

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



65.2891, 0.2992, 0.3481



65.2891, 0.2790, 0.3200



65.2891, 0.3258, 0.3110



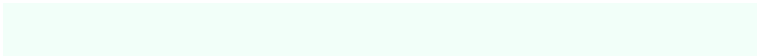
65.2891, 0.3477, 0.3363

Sweetspot

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



65.2918, 0.2992, 0.3481



97.2814, 0.3083, 0.3348



66.6461, 0.3227, 0.3690



20.7434, 0.3077, 0.3357



0.0000, 0.0000, 0.0000



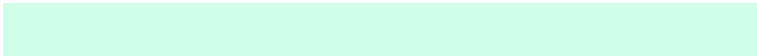
21.4041, 0.3127, 0.3290

Same Dimension

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



65.2918, 0.2992, 0.3481



90.5595, 0.2961, 0.3530



65.7989, 0.2892, 0.3283



14.7210, 0.3044, 0.3402



30.8114, 0.2694, 0.4898



2.0135, 0.2615, 0.4613

Inverse Universe

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



53.9706, 0.3287, 0.3107



71.3434, 0.3332, 0.3062



53.4944, 0.3417, 0.3297



13.1529, 0.3218, 0.3181



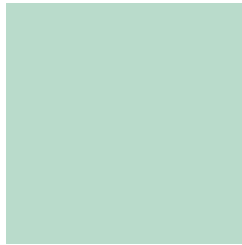
9.5318, 0.5076, 0.2570



0.6348, 0.4692, 0.2358

Previews

White Background



This preview shows how the Yxy color 65.2891, 0.2992, 0.3481 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 65.2891, 0.2992, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

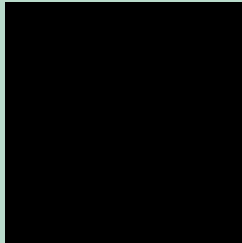
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

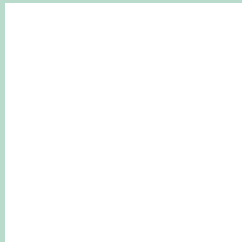
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.2891, 0.2992, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 65.2891, 0.2992, 0.3481.



This preview shows how white text looks on a background with the Yxy color 65.2891, 0.2992, 0.3481.

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

65.2891, 0.2992, 0.3481

Protanopia

65.0758, 0.3272, 0.3426

Deuteranopia

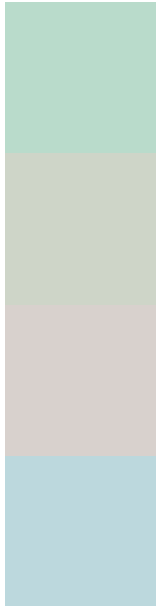
64.9656, 0.3338, 0.3269



Tritanopia

65.3742, 0.2845, 0.3094

Trichromacy



Original Color

65.2891, 0.2992, 0.3481

Protanomaly

64.8804, 0.3164, 0.3441

Deuteranomaly

64.6076, 0.3208, 0.3335

Tritanomaly

65.0236, 0.2899, 0.3231

Monochromacy



Original Color

65.2891, 0.2992, 0.3481

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1869, 0.3073, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2891, 0.2992, 0.3481 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, 219, 203)` looks like.

```
.text, #text, p{  
    color:rgb(185, 219, 203)  
}
```

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, 219, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 219, 203) }
```

Border

The CSS property to change the border of an element to Yxy 65.2891, 0.2992, 0.3481 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, 219, 203) }
```

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

```
.border{ border-color:rgb(185, 219, 203) }
```

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

Here you see how a box with a 4 pixel rgb(185, 219, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 219, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 219, 203);  
box-shadow:4px 4px 4px 4px rgb(185, 219,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2891, 0.2992, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 219, 203) }
```

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

```
.background{ background-color: rgb(185,  
219, 203) }
```

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