

Converting Colors

$Yxy(80.5750, 0.2872, 0.3352)$

Have a look what the booklet for
Yxy(80.5750, 0.2872, 0.3352)
contains.

Yxy(80.5109, 0.2874, 0.3355)	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(80.5109, 0.2874, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	C3F1EB
RGB	195, 241, 235
RGB Percent	76%, 95%, 92%
CMY	0.2350, 0.0549, 0.0785
CMYK	0.19, 0.00, 0.02, 0.05
HSL	172°, 62%, 86%
HSV	172°, 19%, 95%
XYZ	68.9682, 80.5109, 90.4938
YIQ	226.5620, -25.4900, -11.6180

Conversions

Conversions Part 2

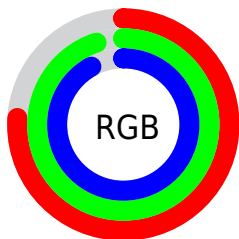
Format	Color
R_{YB}	195, 220, 241
Decimal	12841451
CIE _{Lab}	91.91, -15.84, -1.98
CIE _{LCh}	92, 15.964, 187.131
Yxy	80.5109, 0.2874, 0.3355
Android (android.graphics.Color)	4291031531 (0xFFC3F1EB)
YUV	226.5620, 4.1599, -27.6799
Hunter-Lab	89.7279, -19.8220, 3.0134

Details

The Yxy color **80.5109, 0.2874, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.9815, 0.3454, 0.3226**, and the grayscale version is **76.4749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **43.6153, 0.2822, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **77.3770, 0.2754, 0.3394**, and if you desaturate by 10%, it is **84.1728, 0.3004, 0.3319**.

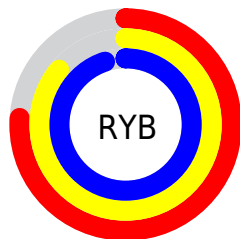
Distribution



Red (76%)

Green (95%)

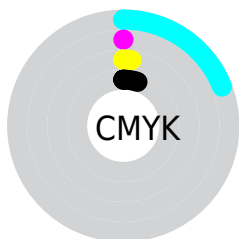
Blue (92%)



Red (76%)

Yellow (86%)

Blue (95%)

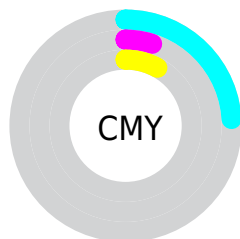


Cyan (19%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (24%)

Magenta (5%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5109, 0.2874, 0.3355 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 80.5109, 0.2874, 0.3355 by changing the saturation by 10% instead.

80.5109, 0.2874,
0.3355

80.5109, 0.2874,
0.3355

496.6529, 0.2989,
0.3326

60.1389, 0.2848,
0.3361

134.0838, 0.2913,
0.3345

43.5306, 0.2817,
0.3369

168.0534, 0.2929,
0.3341

30.3016, 0.2778,
0.3378

207.3244, 0.2942,
0.3338

20.0676, 0.2727,
0.3390

252.2811, 0.2954,
0.3335

12.4442, 0.2660,
0.3406

303.3079, 0.2964,
0.3332

7.0470, 0.2564,
0.3428

360.7892, 0.2973,

3.4915, 0.2421,

0.3330

425.1094, 0.2981,
0.3328

0.3459

1.3934, 0.2183,
0.3507

0.2118, 0.0000,
0.3646

80.5109, 0.2874,
0.3355

80.5109, 0.2874,
0.3355

77.3770, 0.2754,
0.3394

84.1728, 0.3004,
0.3319

74.7363, 0.2645,
0.3435

88.3758, 0.3140,
0.3287

72.5653, 0.2552,
0.3478

90.7234, 0.3198,
0.3257

70.8345, 0.2477,
0.3523

90.9168, 0.3179,
0.3226

■ 69.5113, 0.2420,
0.3569

■ 91.1135, 0.3159,
0.3196

■ 68.5582, 0.2383,
0.3615

■ 91.3135, 0.3140,
0.3166

■ 67.9311, 0.2366,
0.3661

■ 91.3851, 0.3133,
0.3156

■ 67.5629, 0.2364,
0.3707

■ 67.5334, 0.2364,
0.3711

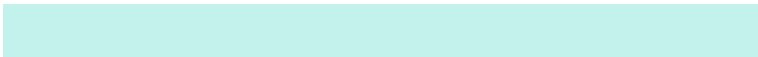
Harmonies

Analogous

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



80.5109, 0.3032, 0.3513



80.5109, 0.2874, 0.3355



80.5109, 0.2784, 0.3183

Triad

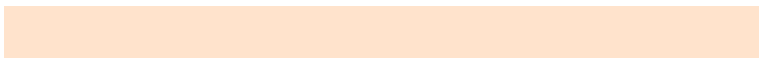
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5109, 0.2874, 0.3355



80.5109, 0.3027, 0.2995



80.5109, 0.3483, 0.3522

Complementary

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



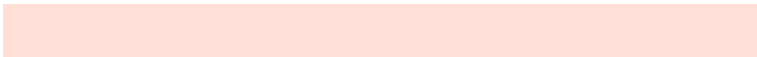
80.5109, 0.2874, 0.3355



61.9815, 0.3454, 0.3226

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.



80.5109, 0.3483, 0.3380



80.5109, 0.2874, 0.3355



80.5109, 0.3216, 0.3082

Square

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



80.5109, 0.2874, 0.3355



80.5109, 0.2870, 0.2982



80.5109, 0.3384, 0.3220



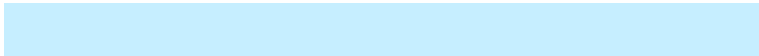
80.5109, 0.3385, 0.3607

Rectangle

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



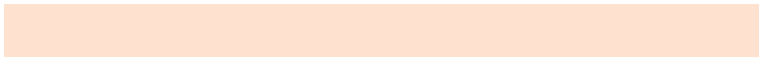
80.5109, 0.2874, 0.3355



80.5109, 0.2773, 0.3086



80.5109, 0.3384, 0.3220



80.5109, 0.3495, 0.3479

Sweetspot

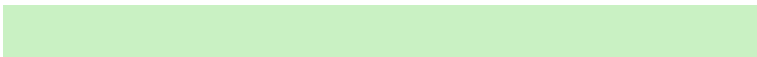
The Sweet Spot groups the original color and five complimentary colors.



80.5142, 0.2874, 0.3355



97.0847, 0.3045, 0.3309



79.2928, 0.3143, 0.3807



20.7151, 0.3036, 0.3311



0.0000, 0.0000, 0.0000



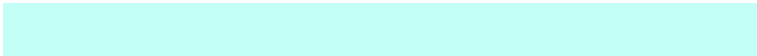
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5142, 0.2874, 0.3355



90.0389, 0.2824, 0.3370



71.3557, 0.2830, 0.3102



17.8913, 0.2998, 0.3321



36.6394, 0.2362, 0.3704



3.0579, 0.2345, 0.3643

Inverse Universe

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



61.9815, 0.3454, 0.3226



65.2582, 0.3542, 0.3212



69.6835, 0.3469, 0.3471



15.7925, 0.3273, 0.3259



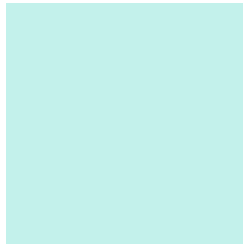
10.2069, 0.6232, 0.3207



0.8597, 0.5936, 0.3044

Previews

White Background



This preview shows how the Yxy color 80.5109, 0.2874, 0.3355 looks on a white background.

Color Contrast Check

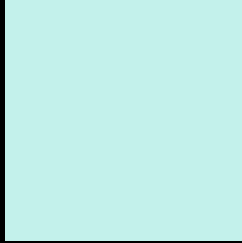
Large Text (above 18pt) WCAG AA × Fail

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 80.5109, 0.2874, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

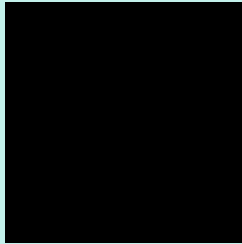
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

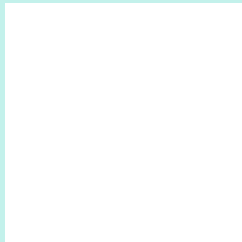
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5109, 0.2874, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 80.5109, 0.2874, 0.3355.

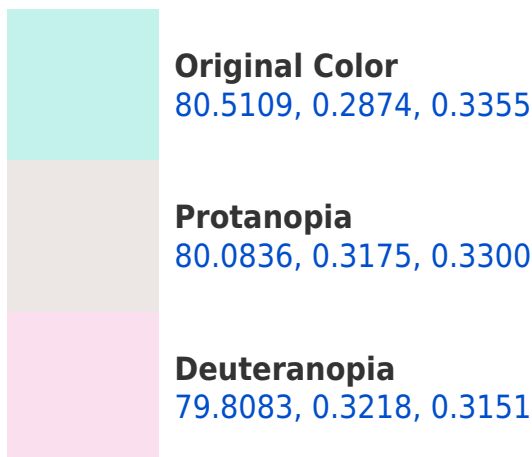


This preview shows how white text looks on a background with the Yxy color 80.5109, 0.2874, 0.3355.

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

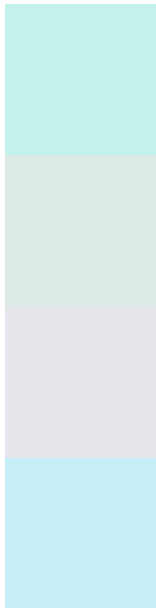




Tritanopia

80.3449, 0.2803, 0.3098

Trichromacy



Original Color

80.5109, 0.2874, 0.3355

Protanomaly

79.9873, 0.3059, 0.3322

Deuteranomaly

79.5310, 0.3083, 0.3217

Tritanomaly

80.0685, 0.2824, 0.3182

Monochromacy



Original Color

80.5109, 0.2874, 0.3355

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.8735, 0.3026, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5109, 0.2874, 0.3355 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(195, 241, 235)` looks like.

```
.text, #text, p{  
    color:rgb(195, 241, 235)  
}
```

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(195, 241, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 241, 235) }
```

Border

The CSS property to change the border of an element to Yxy 80.5109, 0.2874, 0.3355 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(195, 241, 235) }
```

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

```
.border{ border-color:rgb(195, 241, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 241, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 241, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 241, 235); box-shadow:4px 4px 4px 4px rgb(195, 241, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5109, 0.2874, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 241, 235) }
```

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

```
.background{ background-color: rgb(195,  
241, 235) }
```

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