

Converting Colors

Yxy(80.2411, 0.2946, 0.3340)

Have a look what the booklet for
Yxy(80.2411, 0.2946, 0.3340)
contains.

Yxy(80.2114, 0.2945, 0.3333)	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(80.2114, 0.2945, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	CEEEEEA
RGB	206, 238, 234
RGB Percent	81%, 93%, 92%
CMY	0.1922, 0.0666, 0.0824
CMYK	0.13, 0.00, 0.02, 0.07
HSL	172°, 49%, 87%
HSV	172°, 13%, 93%
XYZ	70.8739, 80.2114, 89.5730
YIQ	227.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

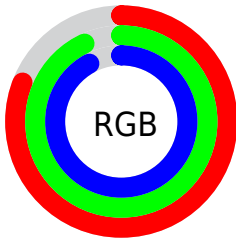
Format	Color
R _Y B	206, 223, 238
Decimal	13561578
CIE Lab	91.78, -11.16, -1.57
CIE LCh	92, 11.273, 188.020
Yxy	80.2114, 0.2945, 0.3333
Android (android.graphics.Color)	4291751658 (0xFFCEEEEA)
YUV	227.9760, 2.9698, -19.2730
Hunter-Lab	89.5608, -15.4756, 3.3945

Details

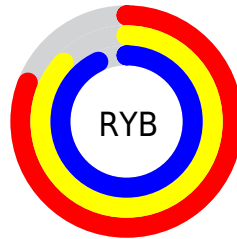
The Yxy color **80.2114, 0.2945, 0.3333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9693, 0.3344, 0.3248**, and the grayscale version is **77.5517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2496, 0.2903, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **76.8918, 0.2818, 0.3368**, and if you desaturate by 10%, it is **84.0564, 0.3079, 0.3301**.

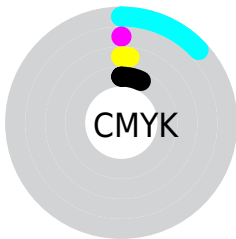
Distribution



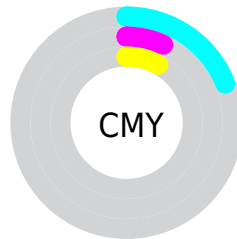
- Red (81%)
- Green (93%)
- Blue (92%)



- Red (81%)
- Yellow (87%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)





- Cyan (19%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2114, 0.2945, 0.3333 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 80.2114, 0.2945, 0.3333 by changing the saturation by 10% instead.


 80.2114, 0.2945,
0.3333

 80.2114, 0.2945,
0.3333

495.6450, 0.3028,
0.3314

 59.8923, 0.2926,
0.3337


133.6629, 0.2973,
0.3327

 43.3319, 0.2904,
0.3342


167.5641, 0.2984,
0.3324

 30.1456, 0.2875,
0.3349


206.7615, 0.2994,
0.3322

 19.9491, 0.2839,
0.3357

251.6395, 0.3003,
0.3320

 12.3581, 0.2789,
0.3368

302.5824, 0.3010,
0.3318

 6.9880, 0.2720,
0.3382


359.9747, 0.3016,


 3.4546, 0.2615,


0.3317


0.3404


424.2008, 0.3022,
0.3315


 1.3734, 0.2437,
0.3438

 0.1970, 0.0000,
0.3778


 80.2114, 0.2945,
0.3333


 80.2114, 0.2945,
0.3333

 76.8918, 0.2818,
0.3368

 84.0564, 0.3079,
0.3301

 74.0645, 0.2703,
0.3407


 88.4384, 0.3219,
0.3271


 71.7078, 0.2600,
0.3447

 88.8845, 0.3209,
0.3242

 69.7947, 0.2514,
0.3490


 89.0669, 0.3191,
0.3213

 68.2954, 0.2447,
0.3533


 89.2523, 0.3172,
0.3184

 67.1764, 0.2398,
0.3577


 89.4407, 0.3154,
0.3156

 66.3990, 0.2370,
0.3622

 89.6321, 0.3135,
0.3127

 65.9159, 0.2359,
0.3666

 89.6354, 0.3135,
0.3127

 65.7123, 0.2360,
0.3694

Harmonies

Analogous

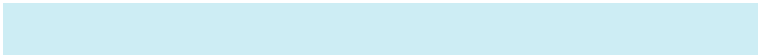
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2114, 0.3057, 0.3443



80.2114, 0.2945, 0.3333



80.2114, 0.2882, 0.3213

Triad

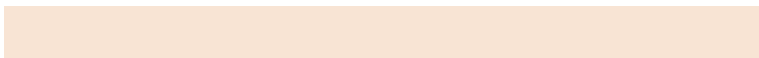
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2114, 0.2945, 0.3333



80.2114, 0.3061, 0.3080



80.2114, 0.3377, 0.3458

Complementary

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



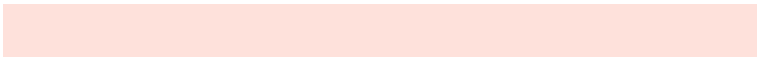
80.2114, 0.2945, 0.3333



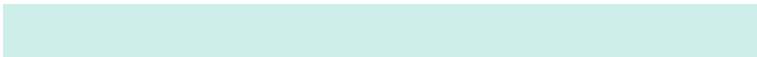
66.9693, 0.3344, 0.3248

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.



80.2114, 0.3379, 0.3359



80.2114, 0.2945, 0.3333



80.2114, 0.3194, 0.3144

Square

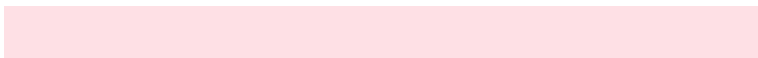
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



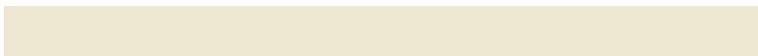
80.2114, 0.2945, 0.3333



80.2114, 0.2948, 0.3070



80.2114, 0.3312, 0.3245



80.2114, 0.3307, 0.3515

Rectangle

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



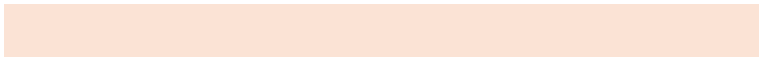
80.2114, 0.2945, 0.3333



80.2114, 0.2875, 0.3145



80.2114, 0.3312, 0.3245



80.2114, 0.3386, 0.3428

Sweetspot

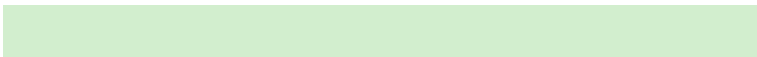
The Sweet Spot groups the original color and five complimentary colors.



80.2147, 0.2945, 0.3333



98.0341, 0.3072, 0.3302



79.3504, 0.3139, 0.3643



20.9066, 0.3061, 0.3305



0.0000, 0.0000, 0.0000



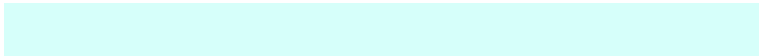
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2147, 0.2945, 0.3333



92.7399, 0.2911, 0.3342



73.8326, 0.2918, 0.3161



17.8927, 0.2998, 0.3320



36.6704, 0.2358, 0.3688



3.0601, 0.2342, 0.3630

Inverse Universe

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



66.9693, 0.3344, 0.3248



74.5866, 0.3394, 0.3239



72.6370, 0.3357, 0.3415



15.7912, 0.3273, 0.3261



10.2033, 0.6241, 0.3212



0.8591, 0.5952, 0.3052

Previews

White Background



This preview shows how the Yxy color 80.2114, 0.2945, 0.3333 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 80.2114, 0.2945, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

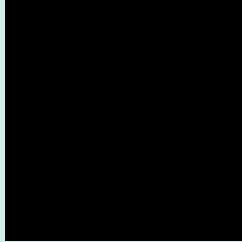
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

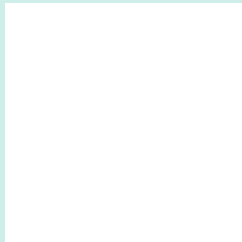
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2114, 0.2945, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 80.2114, 0.2945, 0.3333.

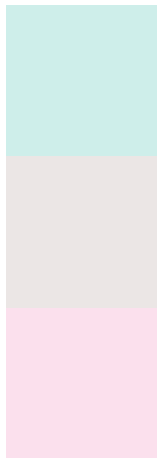


This preview shows how white text looks on a background with the Yxy color 80.2114, 0.2945, 0.3333.

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

80.2114, 0.2945, 0.3333

Protanopia

79.9129, 0.3168, 0.3300

Deuteranopia

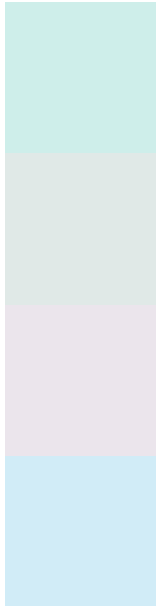
79.9350, 0.3231, 0.3161



Tritanopia

80.2741, 0.2855, 0.3090

Trichromacy



Original Color

80.2114, 0.2945, 0.3333

Protanomaly

79.8946, 0.3079, 0.3311

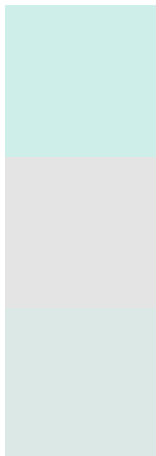
Deuteranomaly

79.7569, 0.3124, 0.3218

Tritanomaly

80.2616, 0.2889, 0.3173

Monochromacy



Original Color

80.2114, 0.2945, 0.3333

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.6420, 0.3059, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2114, 0.2945, 0.3333 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(206, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 238, 234)  
}
```

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(206, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 238, 234) }
```

Border

The CSS property to change the border of an element to Yxy 80.2114, 0.2945, 0.3333 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(206, 238, 234) }
```

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

```
.border{ border-color:rgb(206, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 238,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2114, 0.2945, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 238, 234) }
```

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

```
.background{ background-color: rgb(206,  
238, 234) }
```

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