

Converting Colors

$Yxy(80.2804, 0.2913, 0.3223)$

Have a look what the booklet for
Yxy(80.2804, 0.2913, 0.3223)
contains.

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Color

Yxy(80.0173, 0.2911, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	D1ECF3
RGB	209, 236, 243
RGB Percent	82%, 93%, 95%
CMY	0.1807, 0.0744, 0.0471
CMYK	0.14, 0.03, 0.00, 0.05
HSL	192°, 59%, 89%
HSV	192°, 14%, 95%
XYZ	72.4511, 80.0173, 96.4190
YIQ	228.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

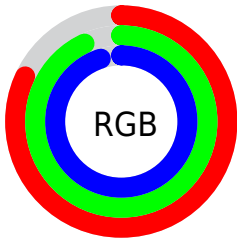
Format	Color
R _{YB}	209, 224, 243
Decimal	13757683
CIE Lab	91.69, -7.45, -6.38
CIE LCh	92, 9.808, 220.581
Yxy	80.0173, 0.2911, 0.3215
Android (android.graphics.Color)	4291947763 (0xFFD1ECF3)
YUV	228.7250, 7.0376, -17.2988
Hunter-Lab	89.4524, -11.9673, -1.2909

Details

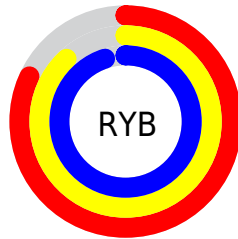
The Yxy color **80.0173, 0.2911, 0.3215** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7147, 0.3377, 0.3364**, and the grayscale version is **78.0926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1004, 0.2860, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **73.9190, 0.2761, 0.3155**, and if you desaturate by 10%, it is **86.7425, 0.3065, 0.3270**.

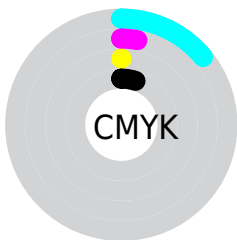
Distribution



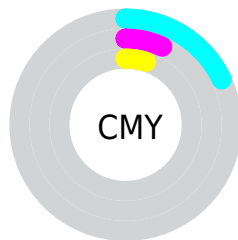
- Red (82%)
- Green (93%)
- Blue (95%)



- Red (82%)
- Yellow (88%)
- Blue (95%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (18%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0173, 0.2911, 0.3215 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 80.0173, 0.2911, 0.3215 by changing the saturation by 10% instead.

80.0173, 0.2911,
0.3215

80.0173, 0.2911,
0.3215

494.9911, 0.3009,
0.3250

59.7326, 0.2889,
0.3207

133.3901, 0.2944,
0.3227

43.2031, 0.2863,
0.3197

167.2469, 0.2958,
0.3232

30.0445, 0.2829,
0.3184

206.3966, 0.2969,
0.3236

19.8724, 0.2786,
0.3168

251.2234, 0.2979,
0.3240

12.3023, 0.2729,
0.3145

302.1119, 0.2988,
0.3243

6.9499, 0.2648,
0.3112

359.4465, 0.2996,

3.4308, 0.2527,

0.3245

0.3060

423.6114, 0.3002,
0.3248

■ 1.3606, 0.2325,
0.2968

■ 0.1874, 0.0000,
0.2237

■ 80.0173, 0.2911,
0.3215

■ 80.0173, 0.2911,
0.3215

■ 73.9190, 0.2761,
0.3155

■ 86.7425, 0.3065,
0.3270

■ 68.4126, 0.2619,
0.3091

■ 93.6262, 0.3203,
0.3319

■ 63.4745, 0.2487,
0.3023

■ 96.6924, 0.3200,
0.3367

■ 59.0754, 0.2368,
0.2951

■ 99.2511, 0.3197,
0.3405

■ 55.1831, 0.2267,
0.2877

■ 51.7615, 0.2184,
0.2801

■ 48.7686, 0.2121,
0.2726

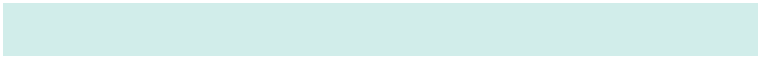
■ 46.1534, 0.2077,
0.2651

■ 44.7257, 0.2057,
0.2606

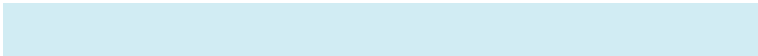
Harmonies

Analogous

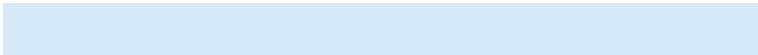
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0173, 0.2962, 0.3319



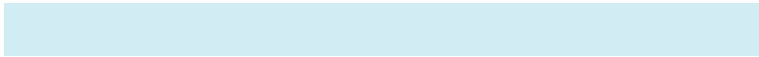
80.0173, 0.2911, 0.3215



80.0173, 0.2917, 0.3134

Triad

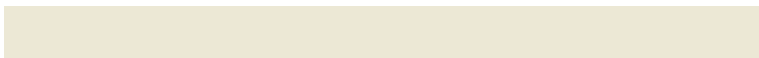
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0173, 0.2911, 0.3215



80.0173, 0.3196, 0.3169



80.0173, 0.3276, 0.3488

Complementary

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



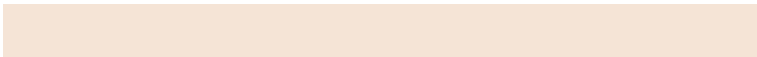
80.0173, 0.2911, 0.3215



72.7147, 0.3377, 0.3364

Split Complementary

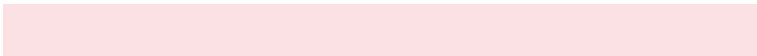
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0173, 0.3342, 0.3443



80.0173, 0.2911, 0.3215



80.0173, 0.3295, 0.3259

Square

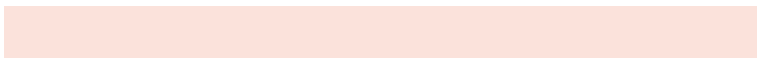
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



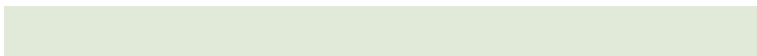
80.0173, 0.2911, 0.3215



80.0173, 0.3080, 0.3110



80.0173, 0.3348, 0.3359



80.0173, 0.3172, 0.3479

Rectangle

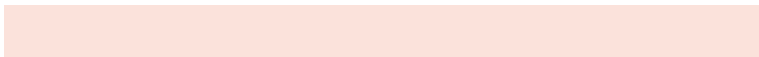
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



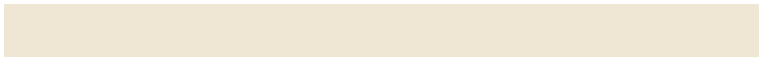
80.0173, 0.2911, 0.3215



80.0173, 0.2952, 0.3104



80.0173, 0.3348, 0.3359



80.0173, 0.3304, 0.3478

Sweetspot

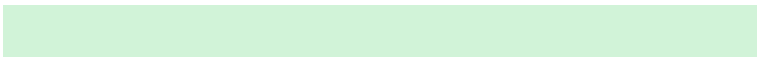
The Sweet Spot groups the original color and five complimentary colors.



80.0206, 0.2911, 0.3215



96.7916, 0.3065, 0.3270



82.5899, 0.3070, 0.3586



20.5910, 0.3053, 0.3266



0.0000, 0.0000, 0.0000



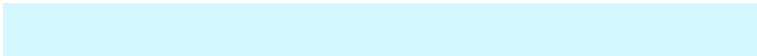
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0206, 0.2911, 0.3215



87.1536, 0.2865, 0.3198



70.7553, 0.2905, 0.3031



18.1479, 0.2980, 0.3240



24.7458, 0.2061, 0.2618



2.3169, 0.2087, 0.2712

Inverse Universe

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



70.6762, 0.3192, 0.3012



74.8338, 0.3207, 0.2950



81.8062, 0.3352, 0.3536



16.7068, 0.3169, 0.3104



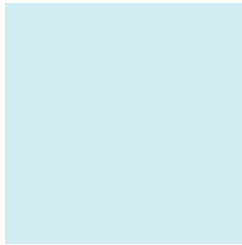
12.5975, 0.3806, 0.1870



1.1215, 0.3717, 0.1821

Previews

White Background



This preview shows how the Yxy color 80.0173, 0.2911, 0.3215 looks on a white background.

Color Contrast Check

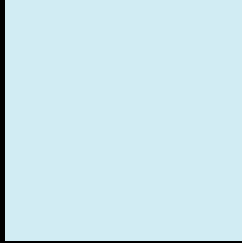
Large Text (above 18pt) WCAG AA × Fail

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 80.0173, 0.2911, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

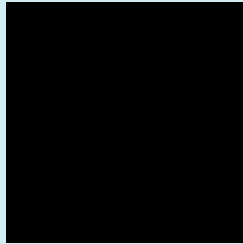
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0173, 0.2911, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 80.0173, 0.2911, 0.3215.

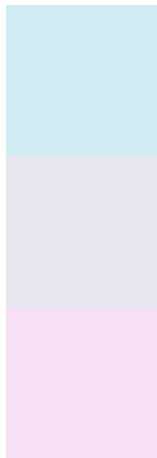


This preview shows how white text looks on a background with the Yxy color 80.0173, 0.2911, 0.3215.

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

80.0173, 0.2911, 0.3215

Protanopia

79.9814, 0.3084, 0.3197

Deuteranopia

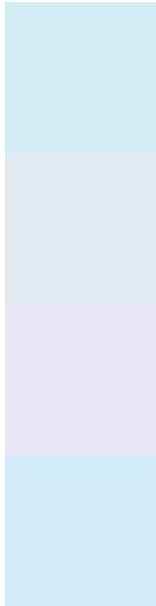
79.6780, 0.3151, 0.3081



Tritanopia

79.7864, 0.2866, 0.3090

Trichromacy



Original Color

80.0173, 0.2911, 0.3215

Protanomaly

79.8518, 0.3024, 0.3206

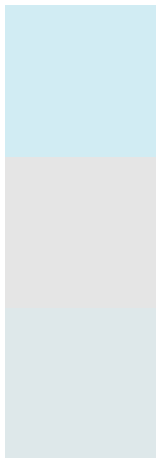
Deuteranomaly

79.3421, 0.3060, 0.3126

Tritanomaly

79.9579, 0.2883, 0.3141

Monochromacy



Original Color

80.0173, 0.2911, 0.3215

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1833, 0.3048, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0173, 0.2911, 0.3215 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(209, 236, 243)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 243)  
}
```

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(209, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.0173, 0.2911, 0.3215 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(209, 236, 243) }
```

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

```
.border{ border-color:rgb(209, 236, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0173, 0.2911, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 243) }
```

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

```
.background{ background-color: rgb(209,  
236, 243) }
```

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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