

Converting Colors

$Yxy(80.7164, 0.2888, 0.3159)$

Have a look what the booklet for
Yxy(80.7164, 0.2888, 0.3159)
contains.

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Color

Yxy(80.5321, 0.2884, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	D2ECF9
RGB	210, 236, 249
RGB Percent	82%, 93%, 98%
CMY	0.1762, 0.0745, 0.0235
CMYK	0.16, 0.05, 0.00, 0.02
HSL	200°, 76%, 90%
HSV	200°, 16%, 98%
XYZ	73.6848, 80.5321, 101.2783
YIQ	229.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

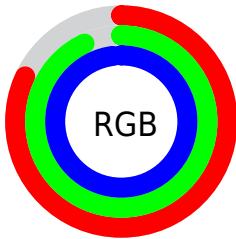
Format	Color
R _Y B	210, 226, 249
Decimal	13823225
CIE Lab	91.92, -5.86, -9.16
CIE LCh	92, 10.874, 237.363
Yxy	80.5321, 0.2884, 0.3152
Android (android.graphics.Color)	4292013305 (0xFFD2ECF9)
YUV	229.7080, 9.5110, -17.2839
Hunter-Lab	89.7397, -10.4789, -4.0957

Details

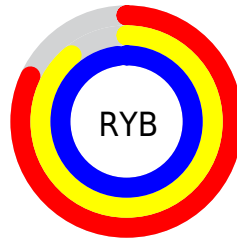
The Yxy color **80.5321, 0.2884, 0.3152** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6074, 0.3402, 0.3424**, and the grayscale version is **78.8520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4613, 0.2825, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **72.4806, 0.2729, 0.3052**, and if you desaturate by 10%, it is **89.3820, 0.3040, 0.3243**.

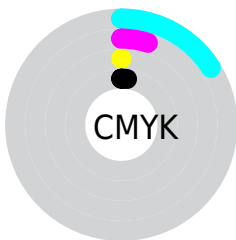
Distribution



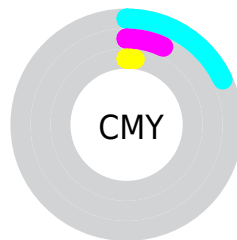
- Red (82%)
- Green (93%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5321, 0.2884, 0.3152 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 80.5321, 0.2884, 0.3152 by changing the saturation by 10% instead.

80.5321, 0.2884,
0.3152

80.5321, 0.2884,
0.3152

496.7242, 0.2994,
0.3216

60.1563, 0.2860,
0.3138

134.1136, 0.2922,
0.3174

43.5446, 0.2830,
0.3120

168.0881, 0.2936,
0.3183

30.3127, 0.2792,
0.3097

207.3642, 0.2949,
0.3190

20.0760, 0.2744,
0.3068

252.3265, 0.2960,
0.3196

12.4503, 0.2681,
0.3029

303.3592, 0.2970,
0.3202

7.0512, 0.2591,
0.2972

360.8468, 0.2979,

3.4941, 0.2458,

0.3207

0.2886

425.1737, 0.2987,
0.3212

■ 1.3948, 0.2239,
0.2737

■ 0.2129, 0.0517,
0.1861

■ 80.5321, 0.2884,
0.3152

■ 80.5321, 0.2884,
0.3152

■ 72.4806, 0.2729,
0.3052

■ 89.3820, 0.3040,
0.3243

■ 65.1883, 0.2577,
0.2944

■ 98.1138, 0.3163,
0.3325

■ 58.6272, 0.2433,
0.2827

■ 99.6193, 0.3162,
0.3347

■ 52.7634, 0.2300,
0.2705

■ 47.5594, 0.2183,
0.2578

■ 42.9737, 0.2084,
0.2448

■ 38.9576, 0.2005,
0.2319

■ 35.4522, 0.1948,
0.2192

■ 34.0453, 0.1927,
0.2137

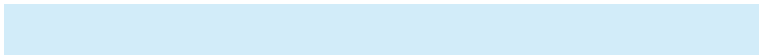
Harmonies

Analogous

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



80.5321, 0.2906, 0.3256



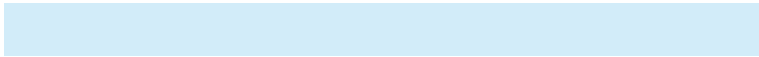
80.5321, 0.2884, 0.3152



80.5321, 0.2926, 0.3088

Triad

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



80.5321, 0.2884, 0.3152



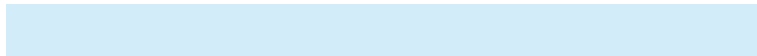
80.5321, 0.3269, 0.3209



80.5321, 0.3231, 0.3511

Complementary

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



80.5321, 0.2884, 0.3152



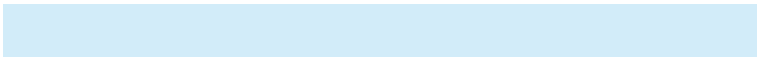
77.6074, 0.3402, 0.3424

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.



80.5321, 0.3331, 0.3493



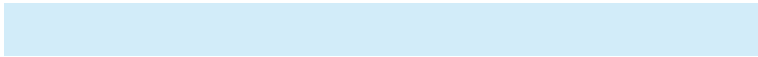
80.5321, 0.2884, 0.3152



80.5321, 0.3354, 0.3317

Square

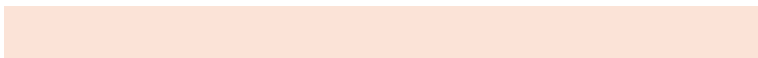
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5321, 0.2884, 0.3152



80.5321, 0.3146, 0.3122



80.5321, 0.3377, 0.3421



80.5321, 0.3104, 0.3467

Rectangle

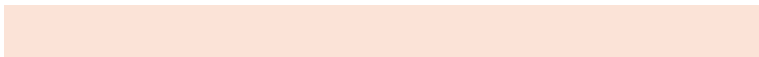
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



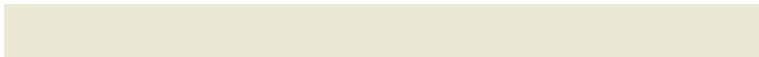
80.5321, 0.2884, 0.3152



80.5321, 0.2984, 0.3075



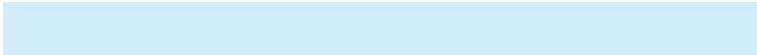
80.5321, 0.3377, 0.3421



80.5321, 0.3269, 0.3512

Sweetspot

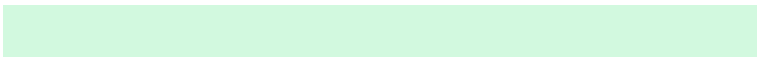
The Sweet Spot groups the original color and five complimentary colors.



80.5354, 0.2884, 0.3152



94.9740, 0.3050, 0.3248



86.7895, 0.3033, 0.3567



20.1809, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



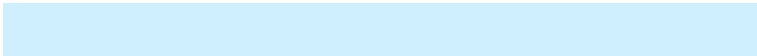
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5354, 0.2884, 0.3152



82.0454, 0.2831, 0.3119



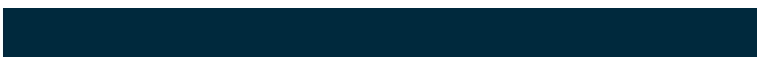
69.9453, 0.2875, 0.2941



18.5744, 0.2980, 0.3209



18.4970, 0.1933, 0.2157



1.9081, 0.1975, 0.2308

Inverse Universe

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



72.3190, 0.3235, 0.3028



71.8890, 0.3263, 0.2969



88.6017, 0.3372, 0.3617



17.4202, 0.3189, 0.3133



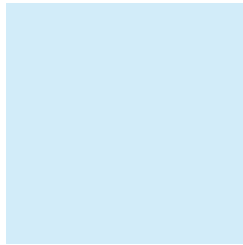
12.2782, 0.4278, 0.2131



1.1569, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 80.5321, 0.2884, 0.3152 looks on a white background.

Color Contrast Check

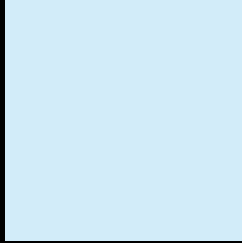
Large Text (above 18pt) WCAG AA × Fail

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 80.5321, 0.2884, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

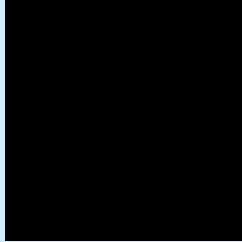
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

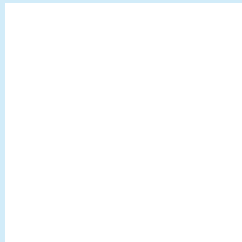
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5321, 0.2884, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 80.5321, 0.2884, 0.3152.



This preview shows how white text looks on a background with the Yxy color 80.5321, 0.2884, 0.3152.

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

80.5321, 0.2884, 0.3152

Protanopia

80.3420, 0.3047, 0.3136

Deuteranopia

80.2279, 0.3098, 0.3031



Tritanopia

80.4213, 0.2861, 0.3090

Trichromacy



Original Color

80.5321, 0.2884, 0.3152

Protanomaly

80.2143, 0.2988, 0.3144

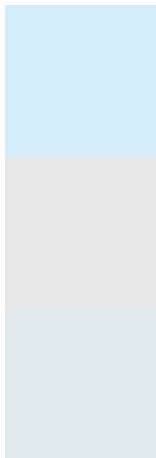
Deuteranomaly

80.0966, 0.3016, 0.3076

Tritanomaly

80.2938, 0.2872, 0.3111

Monochromacy



Original Color

80.5321, 0.2884, 0.3152

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.5156, 0.3036, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5321, 0.2884, 0.3152 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(210, 236, 249)` looks like.

```
.text, #text, p{  
    color:rgb(210, 236, 249)  
}
```

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(210, 236, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 236, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.5321, 0.2884, 0.3152 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(210, 236, 249) }
```

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

```
.border{ border-color:rgb(210, 236, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 236, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 236, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 236, 249);  
box-shadow:4px 4px 4px 4px rgb(210, 236,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5321, 0.2884, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 236, 249) }
```

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

```
.background{ background-color: rgb(210,  
236, 249) }
```

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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