

Converting Colors

$Yxy(80.6610, 0.2893, 0.3125)$

Have a look what the booklet for
Yxy(80.6610, 0.2893, 0.3125)
contains.

Yxy(80.5278, 0.2890, 0.3122)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.5278, 0.2890, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	D5EBFB
RGB	213, 235, 251
RGB Percent	84%, 92%, 98%
CMY	0.1650, 0.0783, 0.0158
CMYK	0.15, 0.06, 0.00, 0.02
HSL	205°, 83%, 91%
HSV	205°, 15%, 98%
XYZ	74.5437, 80.5278, 102.8651
YIQ	230.2460, -18.2480, 0.3120

Conversions

Conversions Part 2

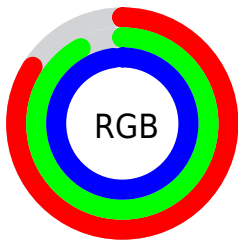
Format	Color
R _Y B	213, 227, 251
Decimal	14019579
CIE Lab	91.92, -4.08, -10.17
CIE LCh	92, 10.961, 248.156
Yxy	80.5278, 0.2890, 0.3122
Android (android.graphics.Color)	4292209659 (0xFFD5EBFB)
YUV	230.2460, 10.2317, -15.1247
Hunter-Lab	89.7373, -8.7625, -5.1475

Details

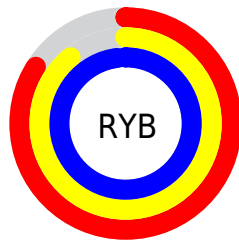
The Yxy color **80.5278, 0.2890, 0.3122** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2828, 0.3388, 0.3452**, and the grayscale version is **79.2486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4043, 0.2840, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **71.2151, 0.2730, 0.2996**, and if you desaturate by 10%, it is **90.7845, 0.3048, 0.3236**.

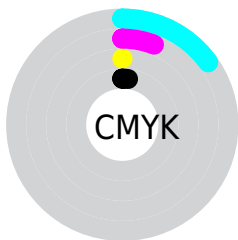
Distribution



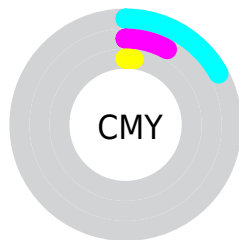
- Red (84%)
- Green (92%)
- Blue (98%)



- Red (84%)
- Yellow (89%)
- Blue (98%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5278, 0.2890, 0.3122 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 80.5278, 0.2890, 0.3122 by changing the saturation by 10% instead.

80.5278, 0.2890,
0.3122

80.5278, 0.2890,
0.3122

496.7098, 0.2997,
0.3199

60.1528, 0.2866,
0.3105

134.1075, 0.2927,
0.3149

43.5418, 0.2837,
0.3083

168.0810, 0.2941,
0.3159

30.3104, 0.2801,
0.3057

207.3562, 0.2953,
0.3168

20.0743, 0.2754,
0.3022

252.3173, 0.2964,
0.3176

12.4491, 0.2691,
0.2975

303.3488, 0.2974,
0.3182

7.0503, 0.2604,
0.2909

360.8351, 0.2983,

3.4936, 0.2474,

0.3189

0.2808

425.1607, 0.2990,
0.3194

■ 1.3945, 0.2260,
0.2637

■ 0.2127, 0.0815,
0.1690

■ 80.5278, 0.2890,
0.3122

■ 80.5278, 0.2890,
0.3122

■ 71.2151, 0.2730,
0.2996

■ 90.7845, 0.3048,
0.3236

■ 62.8036, 0.2572,
0.2859

■ 99.7439, 0.3150,
0.3328

■ 55.2618, 0.2418,
0.2711

■ 48.5517, 0.2273,
0.2554

■ 42.6323, 0.2142,
0.2391

■ 37.4576, 0.2029,
0.2226

■ 32.9750, 0.1937,
0.2062

■ 29.1211, 0.1868,
0.1902

■ 27.4401, 0.1841,
0.1827

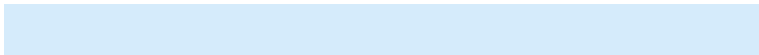
Harmonies

Analogous

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



80.5278, 0.2889, 0.3215



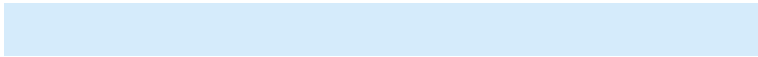
80.5278, 0.2890, 0.3122



80.5278, 0.2953, 0.3076

Triad

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



80.5278, 0.2890, 0.3122



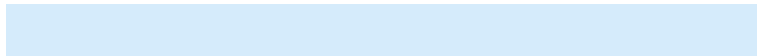
80.5278, 0.3307, 0.3246



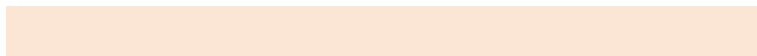
80.5278, 0.3187, 0.3504

Complementary

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



80.5278, 0.2890, 0.3122



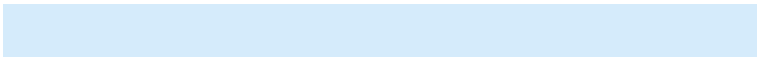
81.2828, 0.3388, 0.3452

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.



80.5278, 0.3301, 0.3509



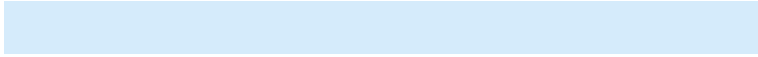
80.5278, 0.2890, 0.3122



80.5278, 0.3372, 0.3357

Square

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



80.5278, 0.2890, 0.3122



80.5278, 0.3193, 0.3148



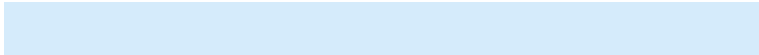
80.5278, 0.3370, 0.3454



80.5278, 0.3058, 0.3438

Rectangle

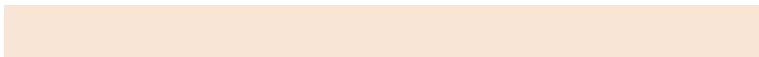
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5278, 0.2890, 0.3122



80.5278, 0.3023, 0.3077



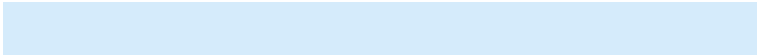
80.5278, 0.3370, 0.3454



80.5278, 0.3228, 0.3513

Sweetspot

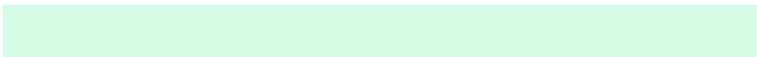
The Sweet Spot groups the original color and five complimentary colors.



80.5311, 0.2890, 0.3122



94.2975, 0.3050, 0.3238



88.7641, 0.3018, 0.3524



20.0163, 0.3039, 0.3230



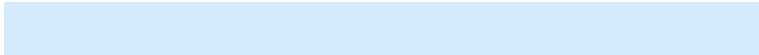
0.0000, 0.0000, 0.0000



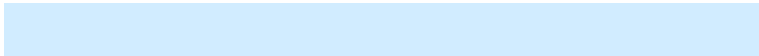
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5311, 0.2890, 0.3122



80.6383, 0.2845, 0.3087



70.2638, 0.2882, 0.2918



18.3174, 0.2980, 0.3188



14.7205, 0.1848, 0.1853



1.5730, 0.1900, 0.2041

Inverse Universe

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



74.0594, 0.3254, 0.3068



72.9518, 0.3282, 0.3025



92.3251, 0.3360, 0.3637



17.3943, 0.3203, 0.3153



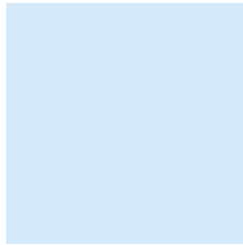
11.8969, 0.4623, 0.2320



1.1230, 0.4407, 0.2201

Previews

White Background



This preview shows how the Yxy color 80.5278, 0.2890, 0.3122 looks on a white background.

Color Contrast Check

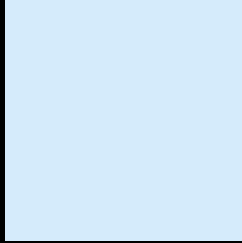
Large Text (above 18pt) WCAG AA × Fail

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 80.5278, 0.2890, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

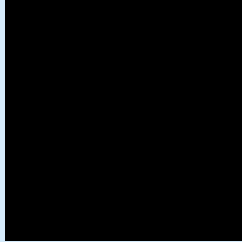
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

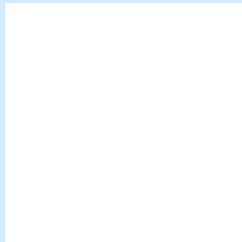
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5278, 0.2890, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 80.5278, 0.2890, 0.3122.

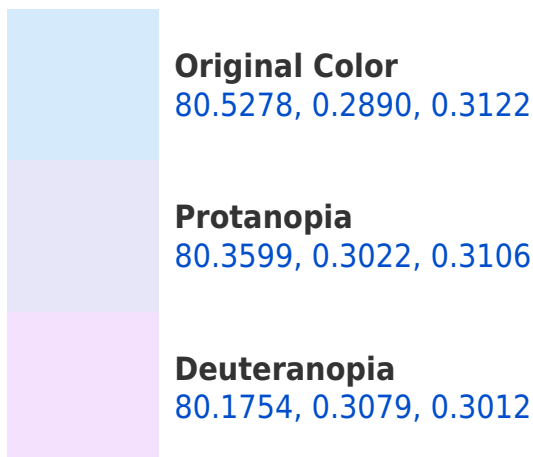


This preview shows how white text looks on a background with the Yxy color 80.5278, 0.2890, 0.3122.

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

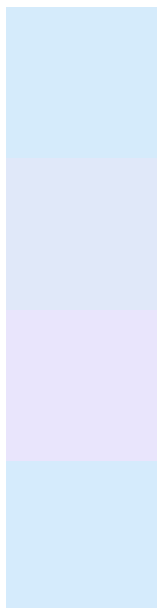




Tritanopia

80.6546, 0.2879, 0.3101

Trichromacy



Original Color

80.5278, 0.2890, 0.3122

Protanomaly

80.4001, 0.2970, 0.3114

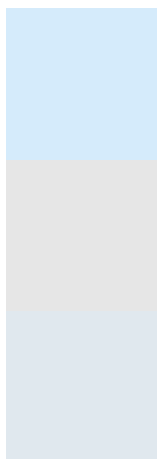
Deuteranomaly

80.3905, 0.3011, 0.3056

Tritanomaly

80.5911, 0.2885, 0.3111

Monochromacy



Original Color

80.5278, 0.2890, 0.3122

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.7336, 0.3037, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5278, 0.2890, 0.3122 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(213, 235, 251)` looks like.

```
.text, #text, p{  
    color:rgb(213, 235, 251)  
}
```

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(213, 235, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 235, 251) }
```

Border

The CSS property to change the border of an element to Yxy 80.5278, 0.2890, 0.3122 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(213, 235, 251) }
```

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

```
.border{ border-color:rgb(213, 235, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 235, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 235, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 235, 251);  
box-shadow:4px 4px 4px 4px rgb(213, 235,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5278, 0.2890, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 235, 251) }
```

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

```
.background{ background-color: rgb(213,  
235, 251) }
```

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