

Converting Colors

Yxy(80.0171, 0.2852, 0.3100)

Have a look what the booklet for
Yxy(80.0171, 0.2852, 0.3100)
contains.

Yxy(80.0638, 0.2855, 0.3100)	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(80.0638, 0.2855, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	D1EBFD
RGB	209, 235, 253
RGB Percent	82%, 92%, 99%
CMY	0.1802, 0.0784, 0.0080
CMYK	0.17, 0.07, 0.00, 0.01
HSL	205°, 92%, 91%
HSV	205°, 17%, 99%
XYZ	73.7362, 80.0638, 104.4703
YIQ	229.2780, -21.2740, 0.0860

Conversions

Conversions Part 2

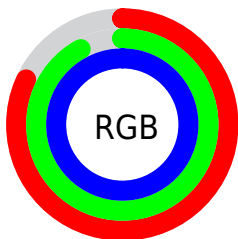
Format	Color
R _Y B	209, 225, 253
Decimal	13757437
CIE Lab	91.71, -4.85, -11.55
CIE LCh	92, 12.527, 247.200
Yxy	80.0638, 0.2855, 0.3100
Android (android.graphics.Color)	4291947517 (0xFFD1EBFD)
YUV	229.2780, 11.6949, -17.7838
Hunter-Lab	89.4784, -9.4912, -6.5891

Details

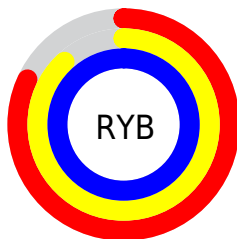
The Yxy color **80.0638, 0.2855, 0.3100** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4266, 0.3432, 0.3473**, and the grayscale version is **78.4993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0957, 0.2796, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **70.9101, 0.2696, 0.2975**, and if you desaturate by 10%, it is **90.1547, 0.3013, 0.3214**.

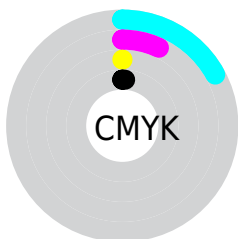
Distribution



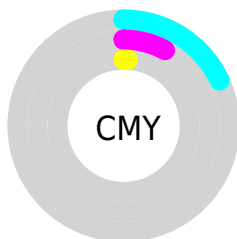
- Red (82%)
- Green (92%)
- Blue (99%)



- Red (82%)
- Yellow (88%)
- Blue (99%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (18%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0638, 0.2855, 0.3100 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 80.0638, 0.2855, 0.3100 by changing the saturation by 10% instead.

80.0638, 0.2855,
0.3100

80.0638, 0.2855,
0.3100

495.1478, 0.2978,
0.3187

59.7709, 0.2828,
0.3080

133.4554, 0.2897,
0.3130

43.2340, 0.2794,
0.3056

167.3229, 0.2914,
0.3142

30.0687, 0.2753,
0.3026

206.4840, 0.2928,
0.3152

19.8908, 0.2699,
0.2986

251.3231, 0.2940,
0.3161

12.3157, 0.2628,
0.2933

302.2247, 0.2951,
0.3169

6.9590, 0.2528,
0.2858

359.5731, 0.2961,

3.4365, 0.2380,

0.3175

0.2743

423.7526, 0.2970,
0.3182

■ 1.3636, 0.2139,
0.2549

■ 0.1897, 0.0488,
0.1498

■ 80.0638, 0.2855,
0.3100

■ 80.0638, 0.2855,
0.3100

■ 70.9101, 0.2696,
0.2975

■ 90.1547, 0.3013,
0.3214

■ 62.6503, 0.2539,
0.2838

99.8700, 0.3139,
0.3309

■ 55.2521, 0.2388,
0.2692

■ 48.6766, 0.2247,
0.2538

■ 42.8814, 0.2121,
0.2379

■ 37.8190, 0.2014,
0.2217

■ 33.4344, 0.1929,
0.2058

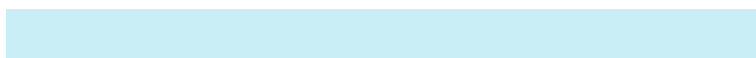
■ 29.6577, 0.1866,
0.1903

■ 28.7386, 0.1851,
0.1863

Harmonies

Analogous

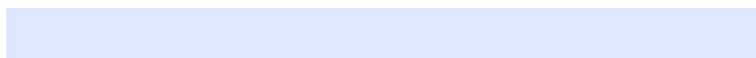
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0638, 0.2856, 0.3207



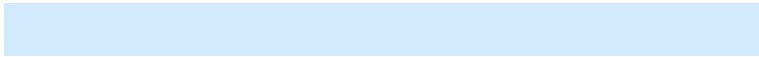
80.0638, 0.2855, 0.3100



80.0638, 0.2925, 0.3046

Triad

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



80.0638, 0.2855, 0.3100



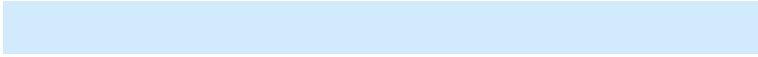
80.0638, 0.3329, 0.3236



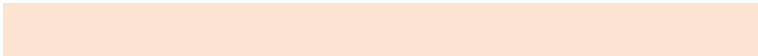
80.0638, 0.3200, 0.3537

Complementary

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



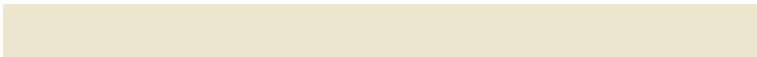
80.0638, 0.2855, 0.3100



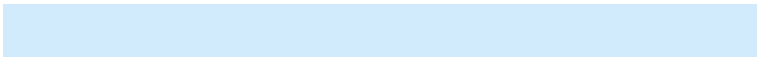
80.4266, 0.3432, 0.3473

Split Complementary

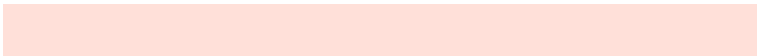
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0638, 0.3330, 0.3539



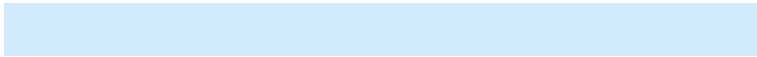
80.0638, 0.2855, 0.3100



80.0638, 0.3406, 0.3362

Square

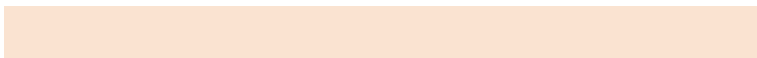
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



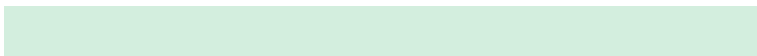
80.0638, 0.2855, 0.3100



80.0638, 0.3198, 0.3125



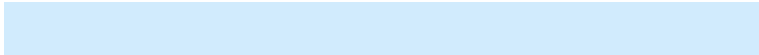
80.0638, 0.3406, 0.3474



80.0638, 0.3053, 0.3464

Rectangle

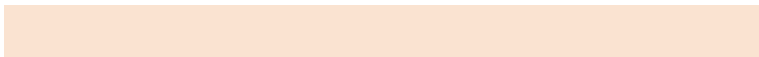
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0638, 0.2855, 0.3100



80.0638, 0.3004, 0.3046



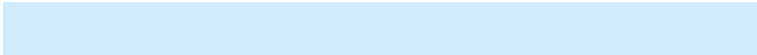
80.0638, 0.3406, 0.3474



80.0638, 0.3247, 0.3546

Sweetspot

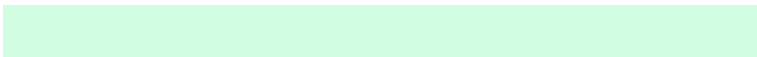
The Sweet Spot groups the original color and five complimentary colors.



80.0671, 0.2855, 0.3100



94.3787, 0.3050, 0.3239



89.3177, 0.3007, 0.3570



20.0361, 0.3039, 0.3231



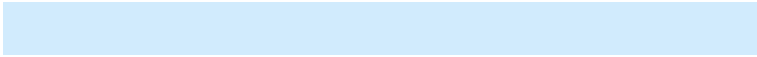
0.0000, 0.0000, 0.0000



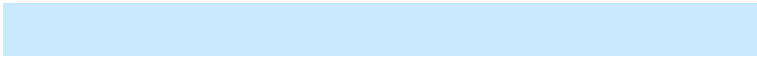
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0671, 0.2855, 0.3100



78.0308, 0.2797, 0.3056



68.4572, 0.2843, 0.2865



19.1623, 0.2979, 0.3190



15.5857, 0.1858, 0.1888



1.7326, 0.1907, 0.2063

Inverse Universe

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



72.4953, 0.3273, 0.3030



69.1320, 0.3309, 0.2973



92.9731, 0.3396, 0.3682



18.1672, 0.3201, 0.3150



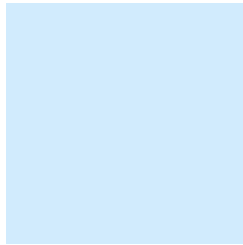
12.3014, 0.4582, 0.2298



1.2195, 0.4382, 0.2187

Previews

White Background



This preview shows how the Yxy color 80.0638, 0.2855, 0.3100 looks on a white background.

Color Contrast Check

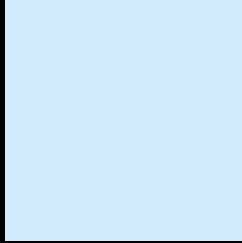
Large Text (above 18pt) WCAG AA × Fail

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 80.0638, 0.2855, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

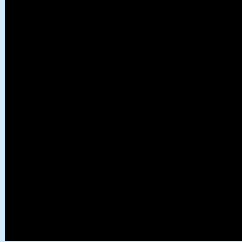
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

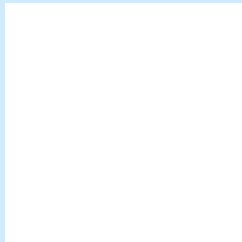
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0638, 0.2855, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 80.0638, 0.2855, 0.3100.



This preview shows how white text looks on a background with the Yxy color 80.0638, 0.2855, 0.3100.

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

80.0638, 0.2855, 0.3100

Protanopia

79.7012, 0.3009, 0.3085

Deuteranopia

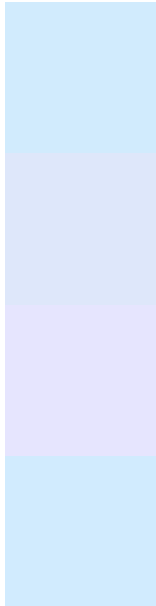
79.9477, 0.3053, 0.2991



Tritanopia

80.1277, 0.2849, 0.3089

Trichromacy



Original Color

80.0638, 0.2855, 0.3100

Protanomaly

79.5836, 0.2952, 0.3093

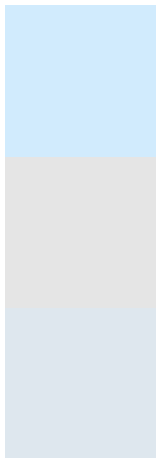
Deuteranomaly

80.0174, 0.2979, 0.3035

Tritanomaly

80.1277, 0.2849, 0.3089

Monochromacy



Original Color

80.0638, 0.2855, 0.3100

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.8545, 0.3023, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0638, 0.2855, 0.3100 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, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(209, 235, 253)  
}
```

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, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 235, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.0638, 0.2855, 0.3100 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, 235, 253) }
```

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

```
.border{ border-color:rgb(209, 235, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(209, 235,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0638, 0.2855, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 235, 253) }
```

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

```
.background{ background-color: rgb(209,  
235, 253) }
```

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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