

Converting Colors

$Yxy(79.8684, 0.2862, 0.3066)$

Have a look what the booklet for
Yxy(79.8684, 0.2862, 0.3066)
contains.

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Color

Yxy(80.0627, 0.2861, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	D4EAFF
RGB	212, 234, 255
RGB Percent	83%, 92%, 100%
CMY	0.1688, 0.0823, 0.0001
CMYK	0.17, 0.08, 0.00, 0.00
HSL	209°, 100%, 92%
HSV	209°, 17%, 100%
XYZ	74.6122, 80.0627, 106.1157
YIQ	229.8160, -19.8530, 1.8670

Conversions

Conversions Part 2

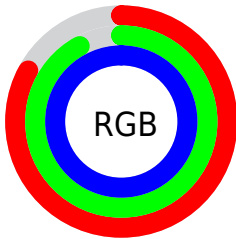
Format	Color
R _{YB}	212, 227, 255
Decimal	13953791
CIE _{Lab}	91.71, -3.04, -12.58
CIE _{LCh}	92, 12.941, 256.414
Y _{xy}	80.0627, 0.2861, 0.3070
Android (android.graphics.Color)	4292143871 (0xFFD4EAF _F)
Y _{UV}	229.8160, 12.4157, -15.6246
Hunter-Lab	89.4778, -7.7416, -7.6802

Details

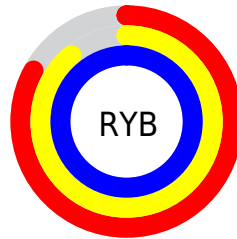
The Yxy color **80.0627, 0.2861, 0.3070** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.2426, 0.3417, 0.3501**, and the grayscale version is **78.9015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0861, 0.2804, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **69.7429, 0.2697, 0.2920**, and if you desaturate by 10%, it is **91.4835, 0.3021, 0.3205**.

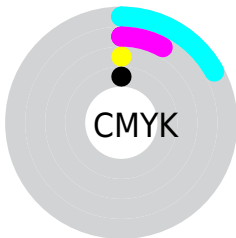
Distribution



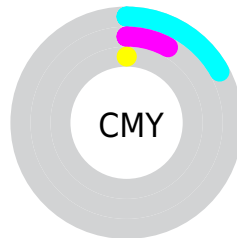
- Red (83%)
- Green (92%)
- Blue (100%)



- Red (83%)
- Yellow (89%)
- Blue (100%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0627, 0.2861, 0.3070 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 80.0627, 0.2861, 0.3070 by changing the saturation by 10% instead.

80.0627, 0.2861,
0.3070

80.0627, 0.2861,
0.3070

495.1441, 0.2981,
0.3170

59.7699, 0.2834,
0.3047

133.4539, 0.2902,
0.3105

43.2332, 0.2802,
0.3020

167.3211, 0.2918,
0.3118

30.0682, 0.2761,
0.2985

206.4819, 0.2932,
0.3130

19.8903, 0.2708,
0.2940

251.3208, 0.2945,
0.3140

12.3153, 0.2638,
0.2880

302.2220, 0.2955,
0.3149

6.9588, 0.2541,
0.2795

359.5701, 0.2965,

3.4364, 0.2396,

0.3157

0.2667

423.7493, 0.2973,
0.3164

■ 1.3636, 0.2159,
0.2454

■ 0.1896, 0.0765,
0.1367

■ 80.0627, 0.2861,
0.3070

■ 80.0627, 0.2861,
0.3070

■ 69.7429, 0.2697,
0.2920

■ 91.4835, 0.3021,
0.3205

■ 60.4763, 0.2533,
0.2756

99.9991, 0.3127,
0.3290

■ 52.2253, 0.2373,
0.2580

■ 44.9461, 0.2221,
0.2395

■ 38.5910, 0.2082,
0.2203

■ 33.1068, 0.1963,
0.2010

■ 28.4324, 0.1866,
0.1821

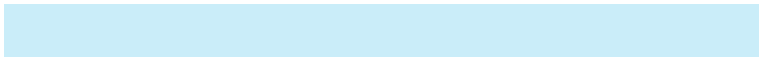
■ 24.4935, 0.1794,
0.1642

■ 23.3822, 0.1775,
0.1588

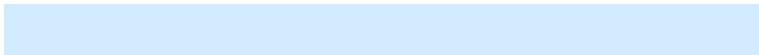
Harmonies

Analogous

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



80.0627, 0.2839, 0.3166



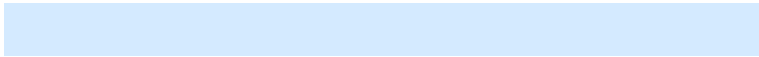
80.0627, 0.2861, 0.3070



80.0627, 0.2953, 0.3035

Triad

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



80.0627, 0.2861, 0.3070



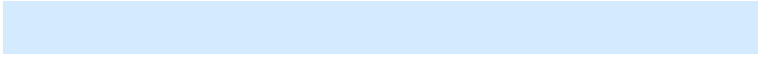
80.0627, 0.3368, 0.3274



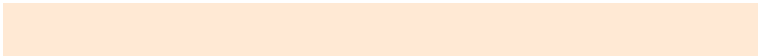
80.0627, 0.3155, 0.3529

Complementary

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



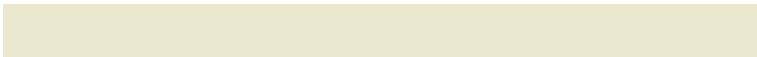
80.0627, 0.2861, 0.3070



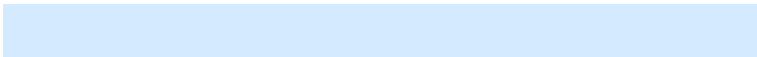
84.2426, 0.3417, 0.3501

Split Complementary

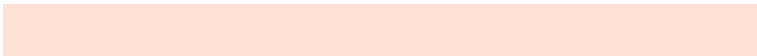
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0627, 0.3300, 0.3555



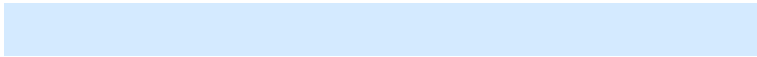
80.0627, 0.2861, 0.3070



80.0627, 0.3425, 0.3403

Square

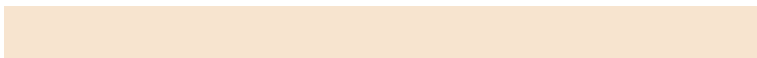
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0627, 0.2861, 0.3070



80.0627, 0.3246, 0.3152



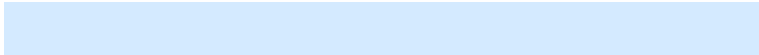
80.0627, 0.3399, 0.3507



80.0627, 0.3006, 0.3435

Rectangle

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



80.0627, 0.2861, 0.3070



80.0627, 0.3043, 0.3048



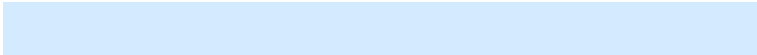
80.0627, 0.3399, 0.3507



80.0627, 0.3206, 0.3546

Sweetspot

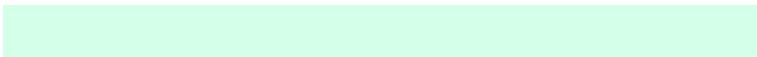
The Sweet Spot groups the original color and five complimentary colors.



80.0660, 0.2861, 0.3070



93.7615, 0.3050, 0.3229



91.3706, 0.2990, 0.3522



19.8861, 0.3039, 0.3220



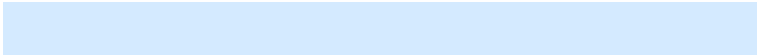
0.0000, 0.0000, 0.0000



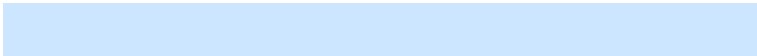
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0660, 0.2861, 0.3070



76.7343, 0.2810, 0.3025



68.6337, 0.2850, 0.2839



18.9180, 0.2979, 0.3171



12.5194, 0.1782, 0.1617



1.4377, 0.1839, 0.1819

Inverse Universe

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



74.2638, 0.3292, 0.3070



70.1673, 0.3328, 0.3028



97.0628, 0.3383, 0.3704



18.1426, 0.3213, 0.3169



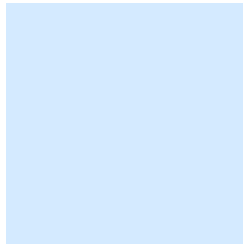
11.9918, 0.4910, 0.2479



1.1897, 0.4663, 0.2342

Previews

White Background



This preview shows how the Yxy color 80.0627, 0.2861, 0.3070 looks on a white background.

Color Contrast Check

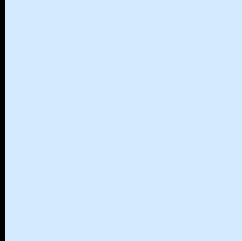
Large Text (above 18pt) WCAG AA × Fail

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 80.0627, 0.2861, 0.3070 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

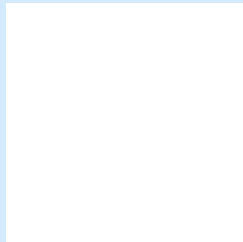
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0627, 0.2861, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 80.0627, 0.2861, 0.3070.

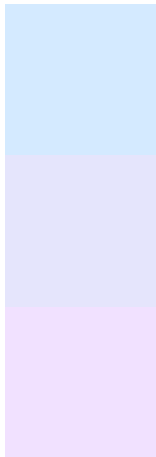


This preview shows how white text looks on a background with the Yxy color 80.0627, 0.2861, 0.3070.

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

80.0627, 0.2861, 0.3070

Protanopia

79.7249, 0.2985, 0.3055

Deuteranopia

79.7712, 0.3046, 0.2991



Tritanopia

79.9345, 0.2872, 0.3090

Trichromacy



Original Color

80.0627, 0.2861, 0.3070

Protanomaly

79.9317, 0.2940, 0.3063

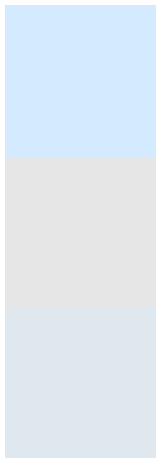
Deuteranomaly

79.5298, 0.2973, 0.3015

Tritanomaly

79.9984, 0.2867, 0.3080

Monochromacy



Original Color

80.0627, 0.2861, 0.3070

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.0718, 0.3024, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0627, 0.2861, 0.3070 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(212, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 234, 255)  
}
```

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(212, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.0627, 0.2861, 0.3070 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(212, 234, 255) }
```

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

```
.border{ border-color:rgb(212, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0627, 0.2861, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 234, 255) }
```

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

```
.background{ background-color: rgb(212,  
234, 255) }
```

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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