

Converting Colors

$Yxy(79.8167, 0.2891, 0.3081)$

Have a look what the booklet for
Yxy(79.8167, 0.2891, 0.3081)
contains.

Yxy(79.8167, 0.2891, 0.3081)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.8167, 0.2891, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	D7E9FD
RGB	215, 233, 253
RGB Percent	84%, 91%, 99%
CMY	0.1567, 0.0863, 0.0080
CMYK	0.15, 0.08, 0.00, 0.01
HSL	212°, 90%, 92%
HSV	212°, 15%, 99%
XYZ	74.8945, 79.8167, 104.3498
YIQ	229.8980, -17.1480, 2.4040

Conversions

Conversions Part 2

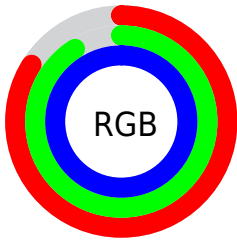
Format	Color
R _Y B	215, 227, 253
Decimal	14150141
CIE Lab	91.60, -1.98, -11.66
CIE LCh	92, 11.831, 260.352
Yxy	79.8167, 0.2891, 0.3081
Android (android.graphics.Color)	4292340221 (0xFFD7E9FD)
YUV	229.8980, 11.3893, -13.0655
Hunter-Lab	89.3402, -6.7075, -6.7129

Details

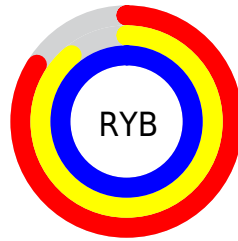
The Yxy color **79.8167, 0.2891, 0.3081** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.1948, 0.3379, 0.3491**, and the grayscale version is **78.9794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9034, 0.2840, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **69.0261, 0.2726, 0.2922**, and if you desaturate by 10%, it is **91.7746, 0.3050, 0.3224**.

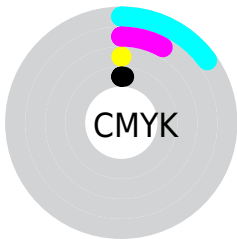
Distribution



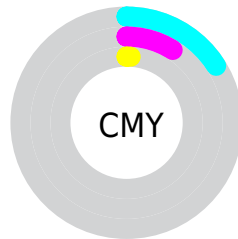
- Red (84%)
- Green (91%)
- Blue (99%)



- Red (84%)
- Yellow (89%)
- Blue (99%)



- Cyan (15%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (16%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8167, 0.2891, 0.3081 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 79.8167, 0.2891, 0.3081 by changing the saturation by 10% instead.

■ 79.8167, 0.2891,
0.3081

■ 79.8167, 0.2891,
0.3081

494.3149, 0.2998,
0.3176

■ 59.5675, 0.2867,
0.3060

133.1080, 0.2928,
0.3114

■ 43.0701, 0.2838,
0.3033

166.9189, 0.2942,
0.3127

■ 29.9402, 0.2801,
0.3000

206.0192, 0.2954,
0.3138

■ 19.7932, 0.2754,
0.2958

250.7932, 0.2965,
0.3147

■ 12.2448, 0.2692,
0.2901

301.6254, 0.2975,
0.3156

■ 6.9106, 0.2604,
0.2821

358.9002, 0.2983,

■ 3.4063, 0.2473,

0.3163

0.2699

423.0019, 0.2991,
0.3170

■ 1.3473, 0.2256,
0.2497

■ 0.1774, 0.0920,
0.1358

■ 79.8167, 0.2891,
0.3081

■ 79.8167, 0.2891,
0.3081

■ 69.0261, 0.2726,
0.2922

■ 91.7746, 0.3050,
0.3224

■ 59.3533, 0.2559,
0.2747

99.8691, 0.3139,
0.3309

■ 50.7596, 0.2393,
0.2558

■ 43.1995, 0.2233,
0.2358

■ 36.6242, 0.2086,
0.2151

■ 30.9792, 0.1957,
0.1943

■ 26.2032, 0.1851,
0.1740

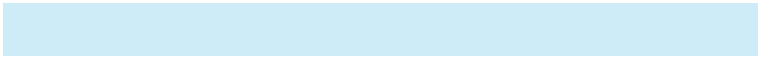
■ 22.2233, 0.1771,
0.1549

■ 20.4828, 0.1739,
0.1458

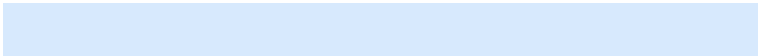
Harmonies

Analogous

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



79.8167, 0.2861, 0.3163



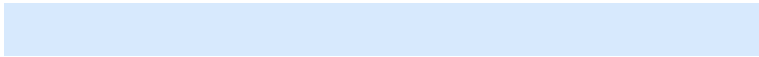
79.8167, 0.2891, 0.3081



79.8167, 0.2983, 0.3056

Triad

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



79.8167, 0.2891, 0.3081



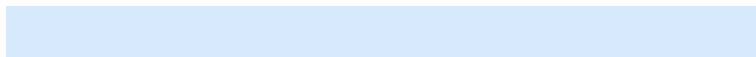
79.8167, 0.3358, 0.3291



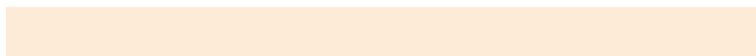
79.8167, 0.3135, 0.3500

Complementary

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



79.8167, 0.2891, 0.3081



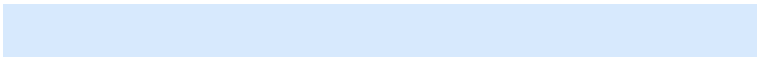
85.1948, 0.3379, 0.3491

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.



79.8167, 0.3270, 0.3533



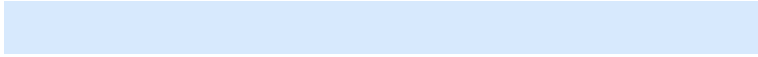
79.8167, 0.2891, 0.3081



79.8167, 0.3400, 0.3409

Square

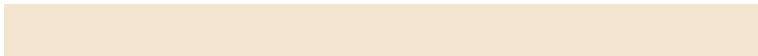
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8167, 0.2891, 0.3081



79.8167, 0.3253, 0.3177



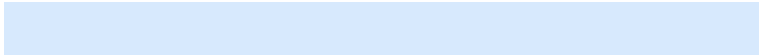
79.8167, 0.3368, 0.3498



79.8167, 0.3000, 0.3407

Rectangle

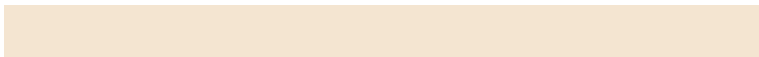
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8167, 0.2891, 0.3081



79.8167, 0.3068, 0.3073



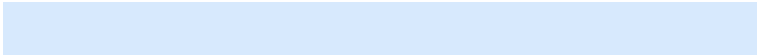
79.8167, 0.3368, 0.3498



79.8167, 0.3182, 0.3519

Sweetspot

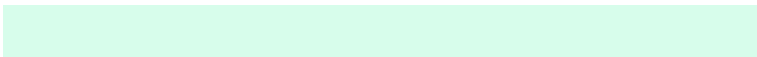
The Sweet Spot groups the original color and five complimentary colors.



79.8200, 0.2891, 0.3081



94.7394, 0.3066, 0.3238



90.6525, 0.2998, 0.3481



20.0711, 0.3054, 0.3228



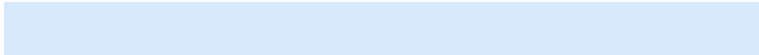
0.0000, 0.0000, 0.0000



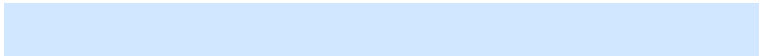
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8200, 0.2891, 0.3081



77.8549, 0.2842, 0.3035



70.2570, 0.2888, 0.2888



18.7971, 0.2979, 0.3162



11.1872, 0.1747, 0.1487



1.3061, 0.1805, 0.1699

Inverse Universe

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



75.3772, 0.3281, 0.3110



72.6708, 0.3318, 0.3073



95.8874, 0.3349, 0.3664



18.1304, 0.3220, 0.3178



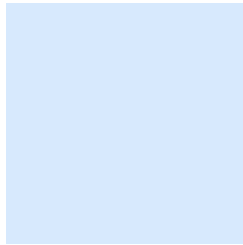
11.8573, 0.5076, 0.2570



1.1764, 0.4807, 0.2422

Previews

White Background



This preview shows how the Yxy color 79.8167, 0.2891, 0.3081 looks on a white background.

Color Contrast Check

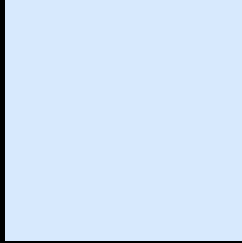
Large Text (above 18pt) WCAG AA × Fail

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 79.8167, 0.2891, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

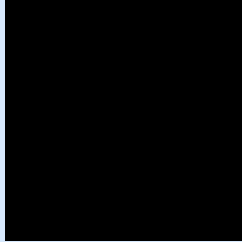
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

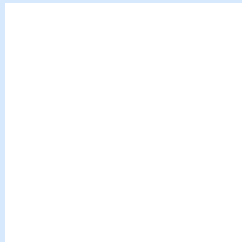
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8167, 0.2891, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 79.8167, 0.2891, 0.3081.

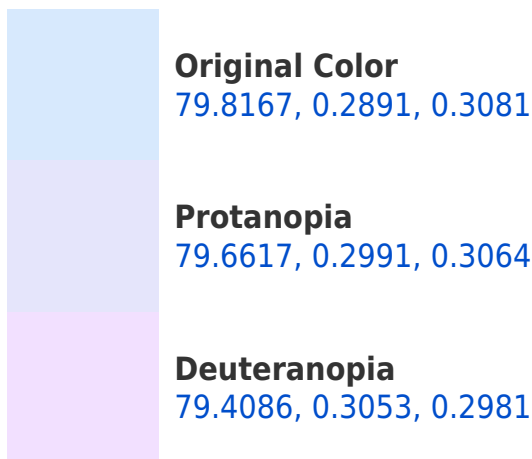


This preview shows how white text looks on a background with the Yxy color 79.8167, 0.2891, 0.3081.

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

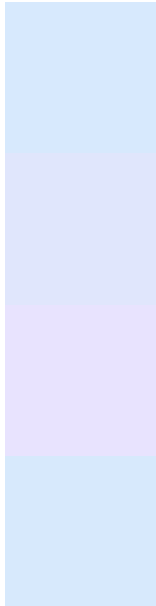




Tritanopia

79.7532, 0.2896, 0.3091

Trichromacy



Original Color

79.8167, 0.2891, 0.3081

Protanomaly

79.4692, 0.2952, 0.3063

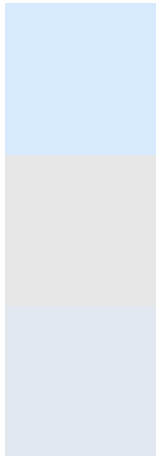
Deuteranomaly

79.2497, 0.2992, 0.3016

Tritanomaly

79.7532, 0.2896, 0.3091

Monochromacy



Original Color

79.8167, 0.2891, 0.3081

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.3324, 0.3043, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8167, 0.2891, 0.3081 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(215, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 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(215, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 253) }
```

Border

The CSS property to change the border of an element to Yxy 79.8167, 0.2891, 0.3081 is called "border". The border property can be set on classes, ids or directly on the HTML element.

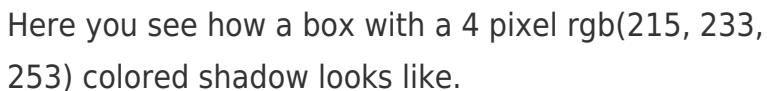
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 233, 253) }
```

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

```
.border{ border-color:rgb(215, 233, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 233, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 233, 253);  
box-shadow:4px 4px 4px 4px rgb(215, 233,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8167, 0.2891, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 233, 253) }
```

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

```
.background{ background-color: rgb(215,  
233, 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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