

Converting Colors

$Yxy(78.5226, 0.2846, 0.3129)$

Have a look what the booklet for
Yxy(78.5226, 0.2846, 0.3129)
contains.

Yxy(78.5226, 0.2846, 0.3129)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5226, 0.2846, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	CCEAF9
RGB	204, 234, 249
RGB Percent	80%, 92%, 98%
CMY	0.2000, 0.0823, 0.0236
CMYK	0.18, 0.06, 0.00, 0.02
HSL	200°, 79%, 89%
HSV	200°, 18%, 98%
XYZ	71.4207, 78.5226, 101.0078
YIQ	226.7400, -22.6950, -1.6950

Conversions

Conversions Part 2

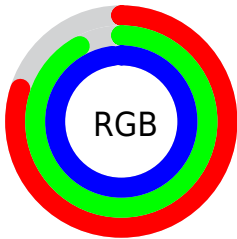
Format	Color
RYB	204, 222, 249
Decimal	13429497
CIELab	91.02, -6.72, -10.54
CIELCh	91, 12.501, 237.503
Yxy	78.5226, 0.2846, 0.3129
Android (android.graphics.Color)	4291619577 (0xFFCCEAF9)
YUV	226.7400, 10.9742, -19.9430
Hunter-Lab	88.6130, -11.2045, -5.5542

Details

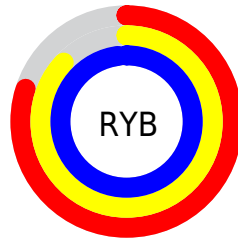
The Yxy color **78.5226, 0.2846, 0.3129** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1497, 0.3452, 0.3446**, and the grayscale version is **76.5493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0806, 0.2778, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **70.6727, 0.2691, 0.3027**, and if you desaturate by 10%, it is **87.1623, 0.3002, 0.3222**.

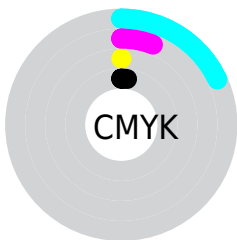
Distribution



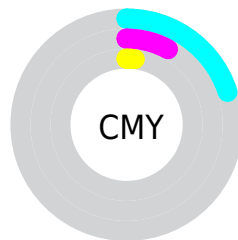
- Red (80%)
- Green (92%)
- Blue (98%)



- Red (80%)
- Yellow (87%)
- Blue (98%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5226, 0.2846, 0.3129 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 78.5226, 0.2846, 0.3129 by changing the saturation by 10% instead.

■ 78.5226, 0.2846,
0.3129

■ 78.5226, 0.2846,
0.3129

489.9398, 0.2973,
0.3204

■ 58.5034, 0.2818,
0.3112

131.2866, 0.2890,
0.3155

■ 42.2135, 0.2783,
0.3091

164.8001, 0.2907,
0.3165

■ 29.2685, 0.2739,
0.3064

203.5805, 0.2922,
0.3174

■ 19.2840, 0.2683,
0.3030

248.0122, 0.2934,
0.3181

■ 11.8757, 0.2609,
0.2983

298.4796, 0.2946,
0.3188

■ 6.6591, 0.2504,
0.2915

355.3671, 0.2956,

■ 3.2498, 0.2348,

0.3194

0.2811

419.0590, 0.2965,
0.3199

1.2635, 0.2091,
0.2629

0.1127, 0.0000,
0.1159

78.5226, 0.2846,
0.3129

78.5226, 0.2846,
0.3129

70.6727, 0.2691,
0.3027

87.1623, 0.3002,
0.3222

63.5733, 0.2541,
0.2917

96.6100, 0.3157,
0.3305

57.1958, 0.2400,
0.2800

99.6191, 0.3162,
0.3347

51.5055, 0.2271,
0.2676

■ 46.4641, 0.2158,
0.2549

■ 42.0285, 0.2063,
0.2419

■ 38.1483, 0.1990,
0.2291

■ 34.7556, 0.1937,
0.2165

■ 34.1397, 0.1928,
0.2141

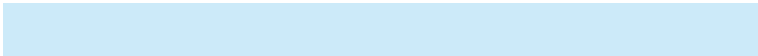
Harmonies

Analogous

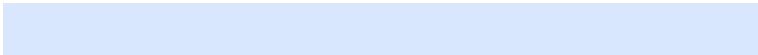
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5226, 0.2871, 0.3249



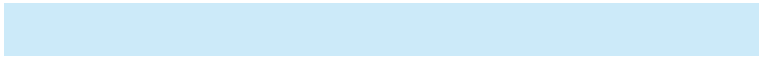
78.5226, 0.2846, 0.3129



78.5226, 0.2894, 0.3056

Triad

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



78.5226, 0.2846, 0.3129



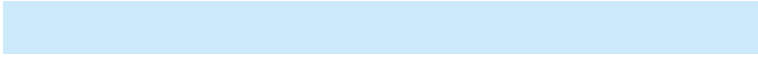
78.5226, 0.3292, 0.3197



78.5226, 0.3246, 0.3547

Complementary

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



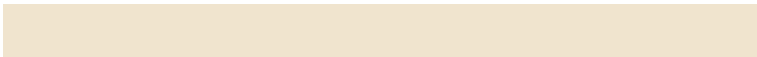
78.5226, 0.2846, 0.3129



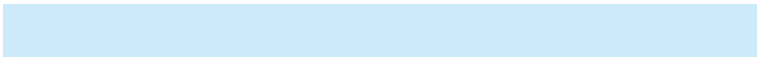
75.1497, 0.3452, 0.3446

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.



78.5226, 0.3363, 0.3526



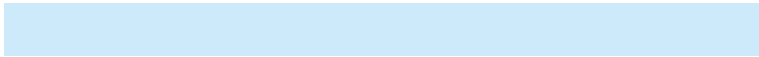
78.5226, 0.2846, 0.3129



78.5226, 0.3390, 0.3322

Square

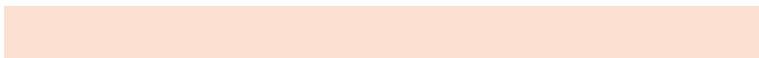
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5226, 0.2846, 0.3129



78.5226, 0.3150, 0.3097



78.5226, 0.3417, 0.3442



78.5226, 0.3100, 0.3495

Rectangle

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



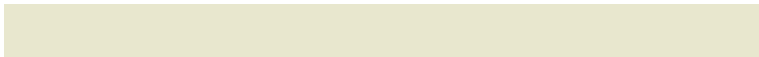
78.5226, 0.2846, 0.3129



78.5226, 0.2962, 0.3042



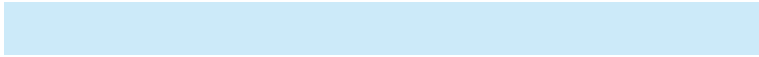
78.5226, 0.3417, 0.3442



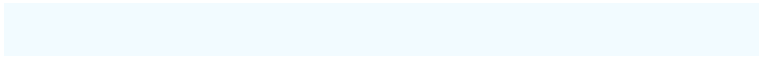
78.5226, 0.3290, 0.3548

Sweetspot

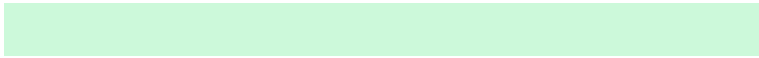
The Sweet Spot groups the original color and five complimentary colors.



78.5258, 0.2846, 0.3129



94.9824, 0.3050, 0.3248



85.6583, 0.3023, 0.3624



20.1829, 0.3039, 0.3242



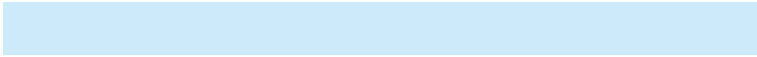
0.0000, 0.0000, 0.0000



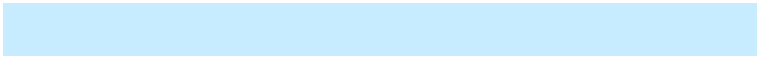
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5258, 0.2846, 0.3129



79.5229, 0.2785, 0.3090



66.8844, 0.2833, 0.2888



18.5776, 0.2980, 0.3209



18.5475, 0.1934, 0.2161



1.9125, 0.1976, 0.2312

Inverse Universe

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



69.2621, 0.3255, 0.2985



68.1355, 0.3288, 0.2916



87.2565, 0.3414, 0.3662



17.4205, 0.3189, 0.3133



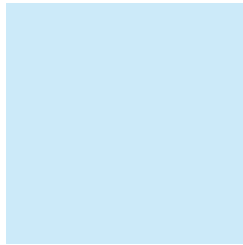
12.2833, 0.4274, 0.2128



1.1573, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 78.5226, 0.2846, 0.3129 looks on a white background.

Color Contrast Check

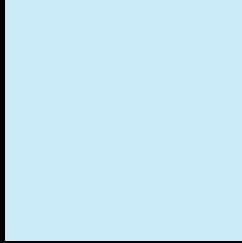
Large Text (above 18pt) WCAG AA × Fail

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 78.5226, 0.2846, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

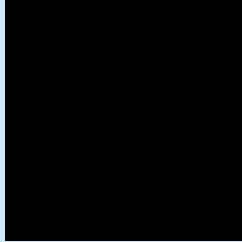
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

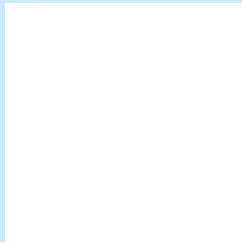
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5226, 0.2846, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 78.5226, 0.2846, 0.3129.

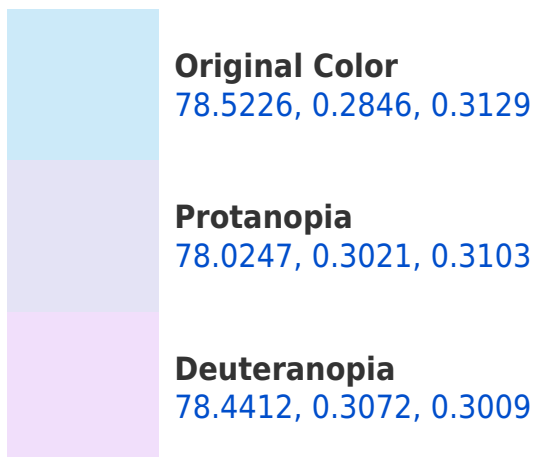


This preview shows how white text looks on a background with the Yxy color 78.5226, 0.2846, 0.3129.

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

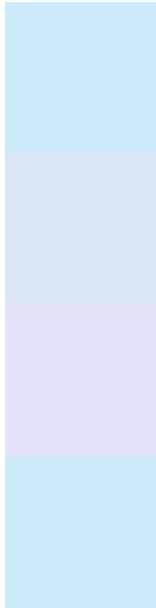




Tritanopia

78.8530, 0.2835, 0.3098

Trichromacy



Original Color

78.5226, 0.2846, 0.3129

Protanomaly

78.3075, 0.2956, 0.3122

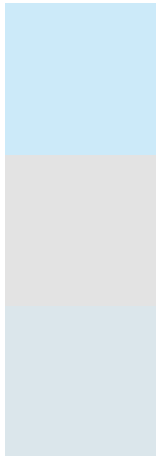
Deuteranomaly

78.3343, 0.2990, 0.3053

Tritanomaly

78.7898, 0.2841, 0.3108

Monochromacy



Original Color

78.5226, 0.2846, 0.3129

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.6519, 0.3022, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5226, 0.2846, 0.3129 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(204, 234, 249)` looks like.

```
.text, #text, p{  
    color:rgb(204, 234, 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(204, 234, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 234, 249) }
```

Border

The CSS property to change the border of an element to Yxy 78.5226, 0.2846, 0.3129 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(204, 234, 249) }
```

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

```
.border{ border-color:rgb(204, 234, 249) }
```

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

Here you see how a box with a 4 pixel rgb(204, 234, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 234, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 234, 249);  
box-shadow:4px 4px 4px 4px rgb(204, 234,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5226, 0.2846, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 234, 249) }
```

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

```
.background{ background-color: rgb(204,  
234, 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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