

Converting Colors

$Yxy(80.0606, 0.2863, 0.3139)$

Have a look what the booklet for
Yxy(80.0606, 0.2863, 0.3139)
contains.

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Color

Yxy(80.1584, 0.2860, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	CFECFA
RGB	207, 236, 250
RGB Percent	81%, 93%, 98%
CMY	0.1881, 0.0745, 0.0197
CMYK	0.17, 0.06, 0.00, 0.02
HSL	200°, 81%, 90%
HSV	200°, 17%, 98%
XYZ	72.9873, 80.1584, 102.0546
YIQ	228.9250, -21.7780, -1.7940

Conversions

Conversions Part 2

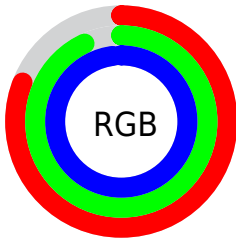
Format	Color
R _Y B	207, 224, 250
Decimal	13626618
CIE _{Lab}	91.76, -6.60, -9.94
CIE _{LCh}	92, 11.932, 236.432
Y _{xy}	80.1584, 0.2860, 0.3141
Android (android.graphics.Color)	4291816698 (0xFFCFECFA)
YUV	228.9250, 10.3900, -19.2282
Hunter-Lab	89.5312, -11.1636, -4.9115

Details

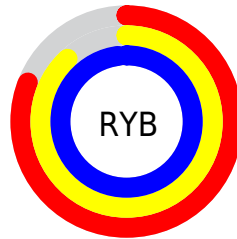
The Yxy color **80.1584, 0.2860, 0.3141** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5514, 0.3434, 0.3434**, and the grayscale version is **78.2360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2130, 0.2795, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **72.2596, 0.2705, 0.3042**, and if you desaturate by 10%, it is **88.8476, 0.3016, 0.3231**.

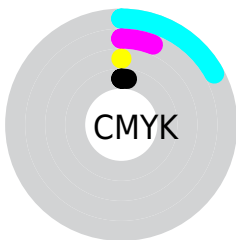
Distribution



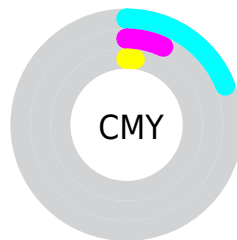
- Red (81%)
- Green (93%)
- Blue (98%)



- Red (81%)
- Yellow (88%)
- Blue (98%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1584, 0.2860, 0.3141 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 80.1584, 0.2860, 0.3141 by changing the saturation by 10% instead.

80.1584, 0.2860,
0.3141

80.1584, 0.2860,
0.3141

495.4665, 0.2981,
0.3210

59.8487, 0.2833,
0.3125

133.5884, 0.2901,
0.3165

43.2967, 0.2800,
0.3106

167.4775, 0.2917,
0.3174

30.1180, 0.2759,
0.3082

206.6619, 0.2931,
0.3182

19.9282, 0.2707,
0.3050

251.5259, 0.2944,
0.3189

12.3428, 0.2637,
0.3007

302.4540, 0.2955,
0.3195

6.9776, 0.2539,
0.2946

359.8305, 0.2964,

3.4481, 0.2394,

0.3201

0.2851

424.0399, 0.2973,
0.3205

■ 1.3699, 0.2155,
0.2688

■ 0.1944, 0.0211,
0.1728

■ 80.1584, 0.2860,
0.3141

■ 80.1584, 0.2860,
0.3141

■ 72.2596, 0.2705,
0.3042

■ 88.8476, 0.3016,
0.3231

■ 65.1116, 0.2556,
0.2936

■ 97.9578, 0.3158,
0.3312

■ 58.6860, 0.2414,
0.2821

■ 99.6812, 0.3156,
0.3338

■ 52.9483, 0.2284,
0.2701

■ 47.8604, 0.2171,
0.2577

■ 43.3795, 0.2076,
0.2451

■ 39.4558, 0.2002,
0.2325

■ 36.0257, 0.1949,
0.2202

■ 35.1219, 0.1936,
0.2167

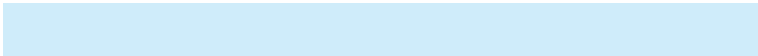
Harmonies

Analogous

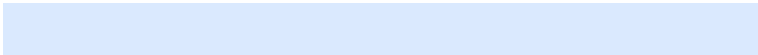
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1584, 0.2886, 0.3256



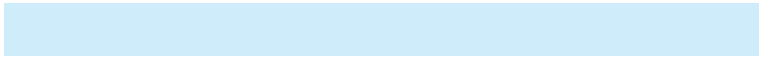
80.1584, 0.2860, 0.3141



80.1584, 0.2904, 0.3070

Triad

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



80.1584, 0.2860, 0.3141



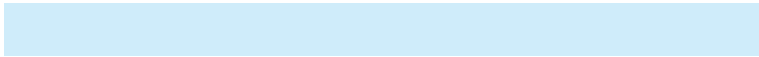
80.1584, 0.3279, 0.3198



80.1584, 0.3245, 0.3534

Complementary

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



80.1584, 0.2860, 0.3141



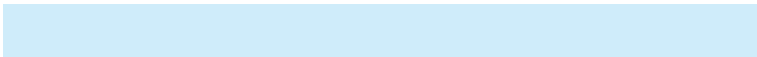
76.5514, 0.3434, 0.3434

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.



80.1584, 0.3354, 0.3512



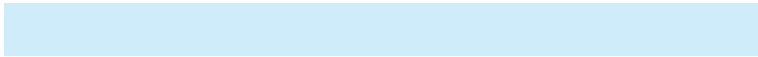
80.1584, 0.2860, 0.3141



80.1584, 0.3374, 0.3316

Square

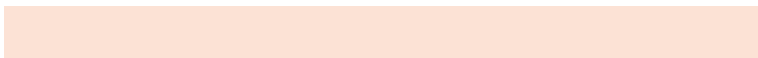
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1584, 0.2860, 0.3141



80.1584, 0.3144, 0.3104



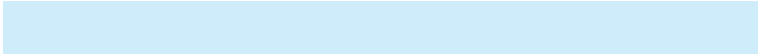
80.1584, 0.3402, 0.3431



80.1584, 0.3106, 0.3487

Rectangle

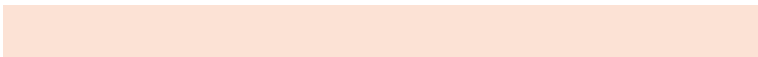
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1584, 0.2860, 0.3141



80.1584, 0.2967, 0.3054



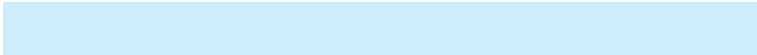
80.1584, 0.3402, 0.3431



80.1584, 0.3286, 0.3534

Sweetspot

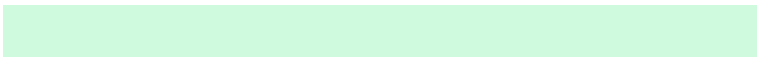
The Sweet Spot groups the original color and five complimentary colors.



80.1617, 0.2860, 0.3141



95.0411, 0.3050, 0.3249



86.8334, 0.3028, 0.3606



20.1972, 0.3039, 0.3243



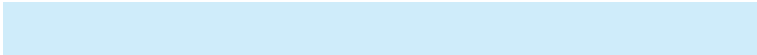
0.0000, 0.0000, 0.0000



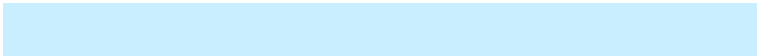
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1617, 0.2860, 0.3141



80.5945, 0.2800, 0.3104



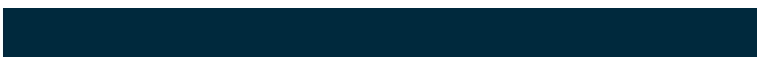
68.7254, 0.2849, 0.2910



18.6000, 0.2980, 0.3211



18.9053, 0.1941, 0.2188



1.9438, 0.1982, 0.2335

Inverse Universe

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



71.0192, 0.3245, 0.2998



69.3908, 0.3276, 0.2930



88.3983, 0.3399, 0.3643



17.4228, 0.3188, 0.3131



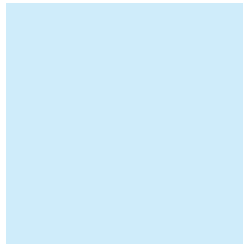
12.3194, 0.4246, 0.2112



1.1605, 0.4090, 0.2027

Previews

White Background



This preview shows how the Yxy color 80.1584, 0.2860, 0.3141 looks on a white background.

Color Contrast Check

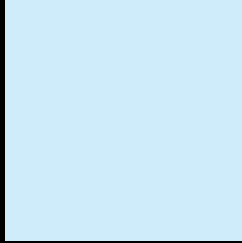
Large Text (above 18pt) WCAG AA × Fail

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 80.1584, 0.2860, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

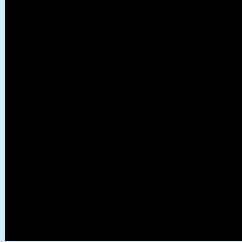
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

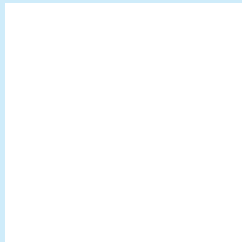
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1584, 0.2860, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 80.1584, 0.2860, 0.3141.

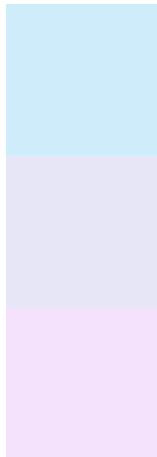


This preview shows how white text looks on a background with the Yxy color 80.1584, 0.2860, 0.3141.

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

80.1584, 0.2860, 0.3141

Protanopia

80.2364, 0.3034, 0.3126

Deuteranopia

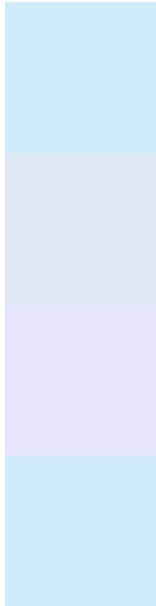
80.1118, 0.3085, 0.3021



Tritanopia

79.9823, 0.2843, 0.3089

Trichromacy



Original Color

80.1584, 0.2860, 0.3141

Protanomaly

79.9582, 0.2969, 0.3134

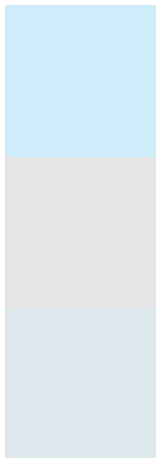
Deuteranomaly

79.9926, 0.3004, 0.3065

Tritanomaly

79.9184, 0.2849, 0.3099

Monochromacy



Original Color

80.1584, 0.2860, 0.3141

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1998, 0.3023, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1584, 0.2860, 0.3141 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(207, 236, 250)` looks like.

```
.text, #text, p{  
    color:rgb(207, 236, 250)  
}
```

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(207, 236, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 236, 250) }
```

Border

The CSS property to change the border of an element to Yxy 80.1584, 0.2860, 0.3141 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(207, 236, 250) }
```

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

```
.border{ border-color:rgb(207, 236, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 236, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 236, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 236, 250);  
box-shadow:4px 4px 4px 4px rgb(207, 236,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1584, 0.2860, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 236, 250) }
```

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

```
.background{ background-color: rgb(207,  
236, 250) }
```

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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