

Converting Colors

Yxy(76.9326, 0.2846, 0.3131)

Have a look what the booklet for
Yxy(76.9326, 0.2846, 0.3131)
contains.

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Color

Yxy(76.9852, 0.2844, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	CAE8F7
RGB	202, 232, 247
RGB Percent	79%, 91%, 97%
CMY	0.2079, 0.0902, 0.0315
CMYK	0.18, 0.06, 0.00, 0.03
HSL	200°, 74%, 88%
HSV	200°, 18%, 97%
XYZ	69.9955, 76.9852, 99.1357
YIQ	224.7400, -22.6950, -1.6950

Conversions

Conversions Part 2

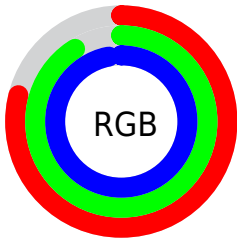
Format	Color
R_{YB}	202, 220, 247
Decimal	13297911
CIE _{Lab}	90.31, -6.73, -10.54
CIE _{LCh}	90, 12.508, 237.449
Yxy	76.9852, 0.2844, 0.3128
Android (android.graphics.Color)	4291487991 (0xFFCAE8F7)
YUV	224.7400, 10.9742, -19.9430
Hunter-Lab	87.7412, -11.1489, -5.5708

Details

The Yxy color **76.9852, 0.2844, 0.3128** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.6285, 0.3455, 0.3447**, and the grayscale version is **75.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0153, 0.2774, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **69.2992, 0.2689, 0.3026**, and if you desaturate by 10%, it is **85.4448, 0.3000, 0.3221**.

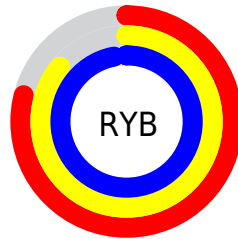
Distribution



Red (79%)

Green (91%)

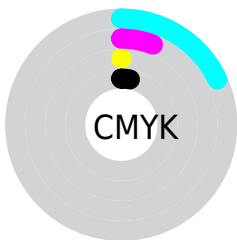
Blue (97%)



Red (79%)

Yellow (86%)

Blue (97%)

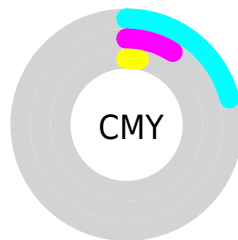


Cyan (18%)

Magenta (6%)

Yellow (0%)

Black (3%)



Cyan (21%)

Magenta (9%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9852, 0.2844, 0.3128 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 76.9852, 0.2844, 0.3128 by changing the saturation by 10% instead.

■ 76.9852, 0.2844,
0.3128

■ 76.9852, 0.2844,
0.3128

484.7136, 0.2973,
0.3203

■ 57.2407, 0.2815,
0.3111

129.1186, 0.2888,
0.3154

■ 41.1985, 0.2780,
0.3089

162.2763, 0.2905,
0.3164

■ 28.4743, 0.2736,
0.3062

200.6739, 0.2920,
0.3173

■ 18.6835, 0.2679,
0.3027

244.6957, 0.2933,
0.3181

■ 11.4418, 0.2602,
0.2979

294.7262, 0.2945,
0.3187

■ 6.3648, 0.2495,
0.2909

351.1497, 0.2955,

■ 3.0682, 0.2334,

0.3193

0.2801

414.3507, 0.2964,
0.3199

■ 1.1674, 0.2066,
0.2612

■ 0.0349, 0.0000,
0.0430

■ 76.9852, 0.2844,
0.3128

■ 76.9852, 0.2844,
0.3128

■ 69.2992, 0.2689,
0.3026

■ 85.4448, 0.3000,
0.3221

■ 62.3481, 0.2540,
0.2916

■ 94.6958, 0.3155,
0.3304

■ 56.1040, 0.2398,
0.2799

■ 99.4932, 0.3174,
0.3367

■ 50.5328, 0.2270,
0.2676

■ 45.5970, 0.2157,
0.2548

■ 41.2542, 0.2063,
0.2420

■ 37.4549, 0.1990,
0.2291

■ 34.1316, 0.1937,
0.2166

■ 33.5704, 0.1929,
0.2143

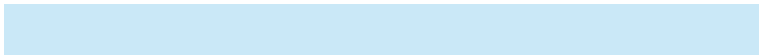
Harmonies

Analogous

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



76.9852, 0.2869, 0.3249



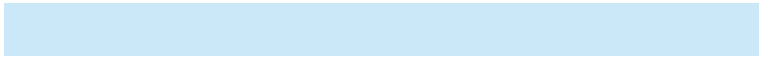
76.9852, 0.2844, 0.3128



76.9852, 0.2892, 0.3054

Triad

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



76.9852, 0.2844, 0.3128



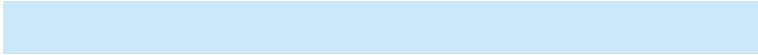
76.9852, 0.3293, 0.3196



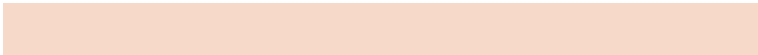
76.9852, 0.3247, 0.3549

Complementary

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



76.9852, 0.2844, 0.3128



73.6285, 0.3455, 0.3447

Split Complementary

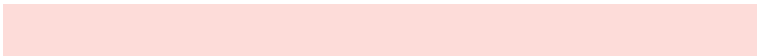
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9852, 0.3365, 0.3527



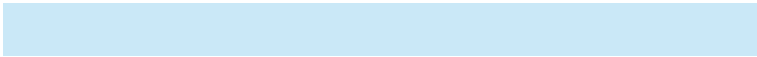
76.9852, 0.2844, 0.3128



76.9852, 0.3392, 0.3322

Square

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



76.9852, 0.2844, 0.3128



76.9852, 0.3150, 0.3095



76.9852, 0.3419, 0.3443



76.9852, 0.3100, 0.3497

Rectangle

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



76.9852, 0.2844, 0.3128



76.9852, 0.2961, 0.3040



76.9852, 0.3419, 0.3443



76.9852, 0.3292, 0.3550

Sweetspot

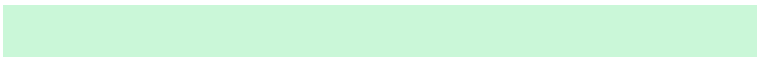
The Sweet Spot groups the original color and five complimentary colors.



76.9884, 0.2844, 0.3128



94.9866, 0.3050, 0.3248



84.0248, 0.3022, 0.3626



20.1840, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



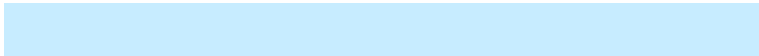
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9884, 0.2844, 0.3128



79.5398, 0.2785, 0.3090



65.4789, 0.2831, 0.2885



17.7752, 0.2980, 0.3209



18.0317, 0.1935, 0.2164



1.7731, 0.1978, 0.2322

Inverse Universe

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



67.8318, 0.3255, 0.2983



68.1372, 0.3288, 0.2916



85.6001, 0.3416, 0.3665



16.6691, 0.3189, 0.3133



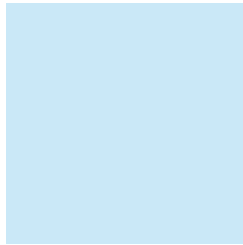
11.9197, 0.4271, 0.2126



1.0666, 0.4104, 0.2034

Previews

White Background



This preview shows how the Yxy color 76.9852, 0.2844, 0.3128 looks on a white background.

Color Contrast Check

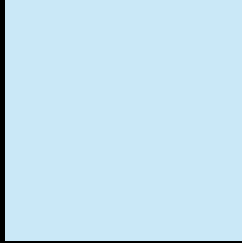
Large Text (above 18pt) WCAG AA × Fail

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 76.9852, 0.2844, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

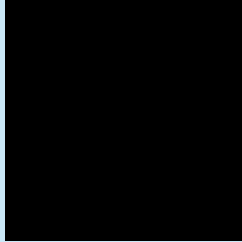
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

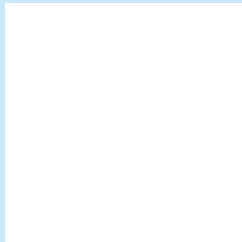
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9852, 0.2844, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 76.9852, 0.2844, 0.3128.

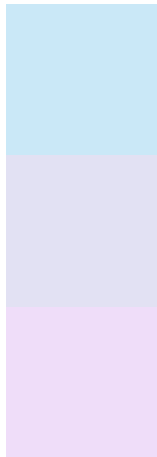


This preview shows how white text looks on a background with the Yxy color 76.9852, 0.2844, 0.3128.

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

76.9852, 0.2844, 0.3128

Protanopia

76.4902, 0.3020, 0.3102

Deuteranopia

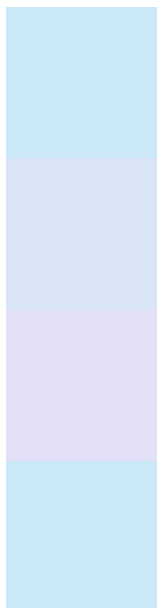
76.9032, 0.3071, 0.3007



Tritanopia

77.3119, 0.2833, 0.3096

Trichromacy



Original Color

76.9852, 0.2844, 0.3128

Protanomaly

76.7702, 0.2954, 0.3120

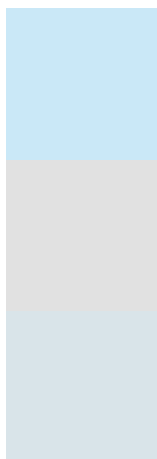
Deuteranomaly

76.7965, 0.2989, 0.3051

Tritanomaly

77.2493, 0.2839, 0.3107

Monochromacy



Original Color

76.9852, 0.2844, 0.3128

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.1217, 0.3021, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9852, 0.2844, 0.3128 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(202, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(202, 232, 247)  
}
```

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(202, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 232, 247) }
```

Border

The CSS property to change the border of an element to Yxy 76.9852, 0.2844, 0.3128 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(202, 232, 247) }
```

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

```
.border{ border-color:rgb(202, 232, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 232, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(202, 232,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9852, 0.2844, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 232, 247) }
```

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

```
.background{ background-color: rgb(202,  
232, 247) }
```

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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