

Converting Colors

$Yxy(76.3033, 0.2845, 0.3154)$

Have a look what the booklet for
Yxy(76.3033, 0.2845, 0.3154)
contains.

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Color

Yxy(76.5242, 0.2848, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	C8E8F4
RGB	200, 232, 244
RGB Percent	78%, 91%, 96%
CMY	0.2160, 0.0901, 0.0431
CMYK	0.18, 0.05, 0.00, 0.04
HSL	196°, 67%, 87%
HSV	196°, 18%, 96%
XYZ	68.9905, 76.5242, 96.7272
YIQ	223.8000, -22.9240, -3.0520

Conversions

Conversions Part 2

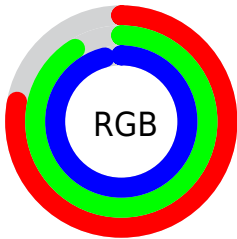
Format	Color
R _Y B	200, 219, 244
Decimal	13166836
CIE Lab	90.10, -7.98, -9.33
CIE LCh	90, 12.278, 229.434
Yxy	76.5242, 0.2848, 0.3159
Android (android.graphics.Color)	4291356916 (0xFFC8E8F4)
YUV	223.8000, 9.9586, -20.8726
Hunter-Lab	87.4781, -12.3109, -4.3241

Details

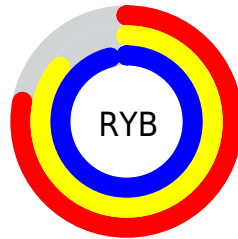
The Yxy color **76.5242, 0.2848, 0.3159** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4427, 0.3456, 0.3417**, and the grayscale version is **74.3241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7013, 0.2780, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **69.7681, 0.2697, 0.3077**, and if you desaturate by 10%, it is **83.9637, 0.3002, 0.3234**.

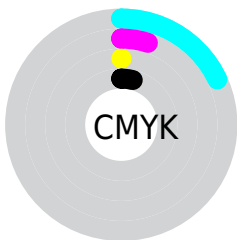
Distribution



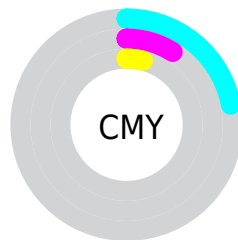
- Red (78%)
- Green (91%)
- Blue (96%)



- Red (78%)
- Yellow (86%)
- Blue (96%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (22%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5242, 0.2848, 0.3159 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 76.5242, 0.2848, 0.3159 by changing the saturation by 10% instead.

■ 76.5242, 0.2848,
0.3159

■ 76.5242, 0.2848,
0.3159

483.1402, 0.2975,
0.3220

■ 56.8625, 0.2820,
0.3145

128.4676, 0.2892,
0.3180

■ 40.8948, 0.2785,
0.3127

161.5181, 0.2909,
0.3189

■ 28.2369, 0.2741,
0.3105

199.8002, 0.2923,
0.3196

■ 18.5043, 0.2684,
0.3076

243.6985, 0.2936,
0.3202

■ 11.3127, 0.2609,
0.3035

293.5972, 0.2948,
0.3207

■ 6.2775, 0.2502,
0.2977

349.8808, 0.2958,

■ 3.0146, 0.2341,

0.3212

0.2884

412.9337, 0.2967,
0.3217

■ 1.1393, 0.2072,
0.2719

■ 0.0113, 0.0000,
0.0167

■ 76.5242, 0.2848,
0.3159

■ 76.5242, 0.2848,
0.3159

■ 69.7681, 0.2697,
0.3077

■ 83.9637, 0.3002,
0.3234

■ 63.6589, 0.2553,
0.2988

■ 92.1023, 0.3157,
0.3303

■ 58.1709, 0.2418,
0.2893

■ 97.3652, 0.3193,
0.3366

■ 53.2724, 0.2297,
0.2794

■ 99.3121, 0.3191,
0.3395

■ 48.9285, 0.2193,
0.2692

■ 45.0996, 0.2108,
0.2589

■ 41.7393, 0.2044,
0.2486

■ 38.7843, 0.1998,
0.2384

■ 38.2421, 0.1990,
0.2365

Harmonies

Analogous

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



76.5242, 0.2892, 0.3286



76.5242, 0.2848, 0.3159



76.5242, 0.2877, 0.3072

Triad

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



76.5242, 0.2848, 0.3159



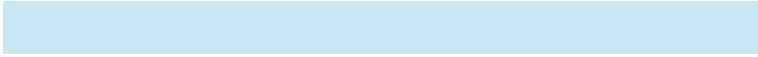
76.5242, 0.3255, 0.3167



76.5242, 0.3281, 0.3546

Complementary

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



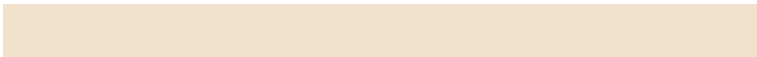
76.5242, 0.2848, 0.3159



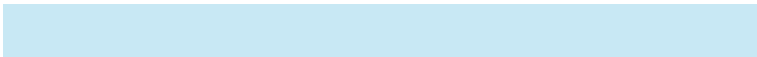
70.4427, 0.3456, 0.3417

Split Complementary

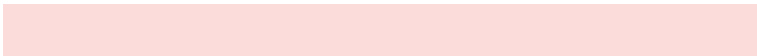
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5242, 0.3382, 0.3507



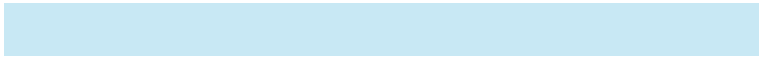
76.5242, 0.2848, 0.3159



76.5242, 0.3368, 0.3287

Square

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



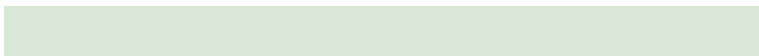
76.5242, 0.2848, 0.3159



76.5242, 0.3109, 0.3079



76.5242, 0.3415, 0.3411



76.5242, 0.3140, 0.3514

Rectangle

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



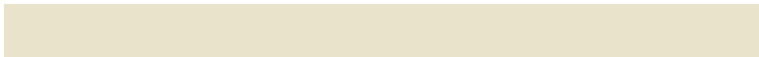
76.5242, 0.2848, 0.3159



76.5242, 0.2934, 0.3046



76.5242, 0.3415, 0.3411



76.5242, 0.3321, 0.3540

Sweetspot

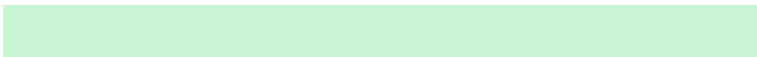
The Sweet Spot groups the original color and five complimentary colors.



76.5273, 0.2848, 0.3159



95.4698, 0.3050, 0.3256



81.7123, 0.3036, 0.3648



20.3016, 0.3039, 0.3251



0.0000, 0.0000, 0.0000



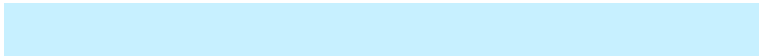
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5273, 0.2848, 0.3159



81.5206, 0.2787, 0.3127



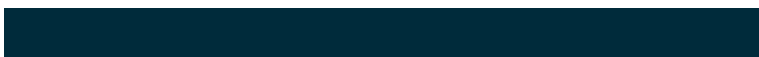
64.9985, 0.2835, 0.2914



17.9512, 0.2980, 0.3224



21.0313, 0.1995, 0.2381



2.0185, 0.2030, 0.2509

Inverse Universe

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



66.3357, 0.3235, 0.2959



68.3372, 0.3263, 0.2883



82.0883, 0.3417, 0.3640



16.6869, 0.3180, 0.3119



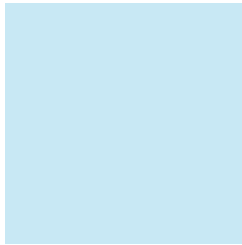
12.2225, 0.4042, 0.2000



1.0914, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 76.5242, 0.2848, 0.3159 looks on a white background.

Color Contrast Check

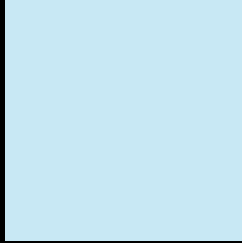
Large Text (above 18pt) WCAG AA × Fail

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 76.5242, 0.2848, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

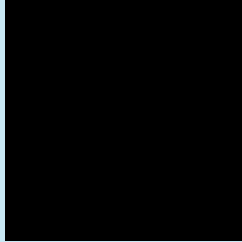
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

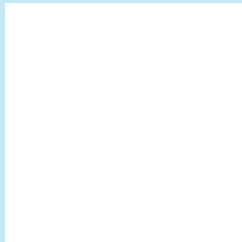
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5242, 0.2848, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 76.5242, 0.2848, 0.3159.

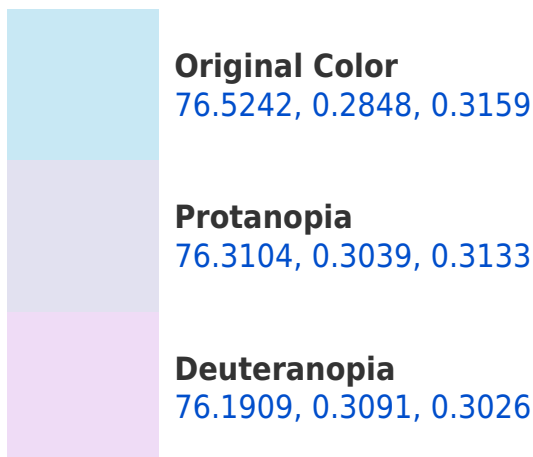


This preview shows how white text looks on a background with the Yxy color 76.5242, 0.2848, 0.3159.

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

76.4715, 0.2820, 0.3085

Trichromacy



Original Color

76.5242, 0.2848, 0.3159

Protanomaly

76.5894, 0.2972, 0.3152

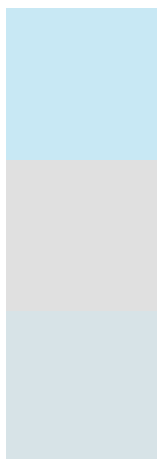
Deuteranomaly

75.9114, 0.3001, 0.3070

Tritanomaly

76.3466, 0.2832, 0.3106

Monochromacy



Original Color

76.5242, 0.2848, 0.3159

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.1548, 0.3020, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5242, 0.2848, 0.3159 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(200, 232, 244)` looks like.

```
.text, #text, p{  
    color:rgb(200, 232, 244)  
}
```

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(200, 232, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 232, 244) }
```

Border

The CSS property to change the border of an element to Yxy 76.5242, 0.2848, 0.3159 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(200, 232, 244) }
```

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

```
.border{ border-color:rgb(200, 232, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 232, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 232, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 232, 244);  
box-shadow:4px 4px 4px 4px rgb(200, 232,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5242, 0.2848, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 232, 244) }
```

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

```
.background{ background-color: rgb(200,  
232, 244) }
```

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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