

# Converting Colors

$Yxy(76.1298, 0.2848, 0.3180)$

Have a look what the booklet for  
Yxy(76.1298, 0.2848, 0.3180)  
contains.

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# Color

**Yxy(76.1298, 0.2848, 0.3180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E8F2
RGB	198, 232, 242
RGB Percent	78%, 91%, 95%
CMY	0.2233, 0.0902, 0.0510
CMYK	0.18, 0.04, 0.00, 0.05
HSL	194°, 63%, 86%
HSV	194°, 18%, 95%
XYZ	68.1817, 76.1298, 95.0904
YIQ	222.9740, -23.4740, -4.0980

# Conversions

## Conversions Part 2

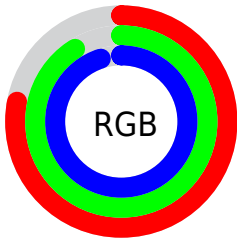
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 217, 242
Decimal	13035762
CIE Lab	89.92, -8.96, -8.55
CIE LCh	90, 12.386, 223.661
Yxy	76.1298, 0.2848, 0.3180
Android (android.graphics.Color)	4291225842 (0xFFC6E8F2)
YUV	222.9740, 9.3798, -21.9022
Hunter-Lab	87.2524, -13.2064, -3.5395

# Details

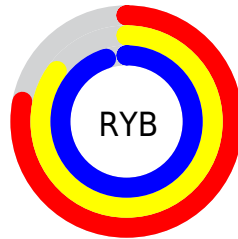
The Yxy color **76.1298, 0.2848, 0.3180** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0913, 0.3462, 0.3397**, and the grayscale version is **73.7255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5251, 0.2786, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **70.0515, 0.2700, 0.3111**, and if you desaturate by 10%, it is **82.8368, 0.3001, 0.3243**.

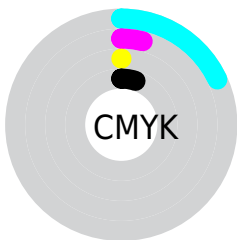
# Distribution



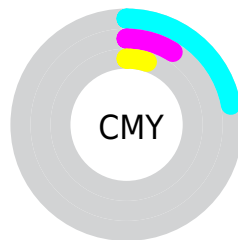
- Red (78%)
- Green (91%)
- Blue (95%)



- Red (78%)
- Yellow (85%)
- Blue (95%)



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



- Cyan (22%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1298, 0.2848, 0.3180 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 76.1298, 0.2848, 0.3180 by changing the saturation by 10% instead.



■ 76.1298, 0.2848,  
0.3180

■ 76.1298, 0.2848,  
0.3180

481.7919, 0.2975,  
0.3232

■ 56.5389, 0.2819,  
0.3168

127.9104, 0.2892,  
0.3198

■ 40.6352, 0.2784,  
0.3153

160.8689, 0.2909,  
0.3205

■ 28.0341, 0.2741,  
0.3134

199.0521, 0.2924,  
0.3211

■ 18.3514, 0.2684,  
0.3109

242.8443, 0.2936,  
0.3216

■ 11.2026, 0.2608,  
0.3074

292.6300, 0.2948,  
0.3221

■ 6.2033, 0.2500,  
0.3023

348.7936, 0.2958,

■ 2.9691, 0.2338,

0.3225

0.2941

411.7194, 0.2967,  
0.3229

■ 1.1156, 0.2065,  
0.2793

■ 0.0000, 0.0000,  
0.0000

■ 76.1298, 0.2848,  
0.3180

■ 76.1298, 0.2848,  
0.3180

■ 70.0515, 0.2700,  
0.3111

■ 82.8368, 0.3001,  
0.3243

■ 64.5667, 0.2559,  
0.3038

■ 90.1871, 0.3156,  
0.3300

■ 59.6508, 0.2430,  
0.2960

■ 95.1153, 0.3208,  
0.3353

■ 55.2735, 0.2315,  
0.2878

■ 98.5589, 0.3204,  
0.3406

■ 51.4010, 0.2218,  
0.2794

■ 99.1898, 0.3203,  
0.3415

■ 47.9954, 0.2139,  
0.2709

■ 45.0117, 0.2081,  
0.2625

■ 42.3880, 0.2041,  
0.2541

■ 41.9258, 0.2035,  
0.2525

# Harmonies

## Analogous

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



76.1298, 0.2906, 0.3312



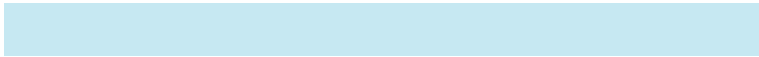
76.1298, 0.2848, 0.3180



76.1298, 0.2863, 0.3082

# Triad

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



76.1298, 0.2848, 0.3180



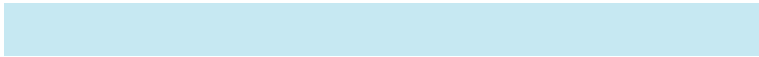
76.1298, 0.3229, 0.3146



76.1298, 0.3306, 0.3546

# Complementary

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



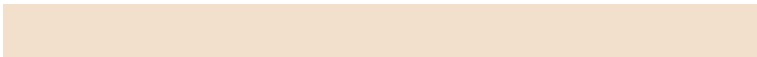
76.1298, 0.2848, 0.3180



68.0913, 0.3462, 0.3397

# 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.



76.1298, 0.3397, 0.3494



76.1298, 0.2848, 0.3180



76.1298, 0.3353, 0.3263

# Square

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



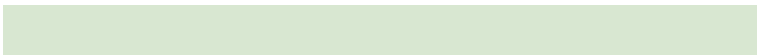
76.1298, 0.2848, 0.3180



76.1298, 0.3081, 0.3066



76.1298, 0.3415, 0.3389



76.1298, 0.3168, 0.3528



# Rectangle

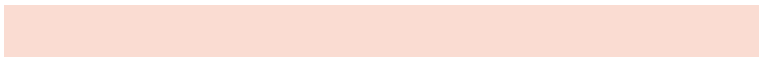
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1298, 0.2848, 0.3180



76.1298, 0.2912, 0.3048



76.1298, 0.3415, 0.3389



76.1298, 0.3344, 0.3536

# Sweetspot

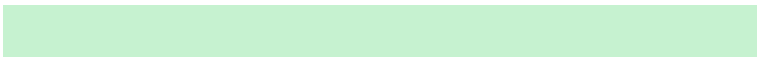
The Sweet Spot groups the original color and five complimentary colors.



76.1329, 0.2848, 0.3180



95.8251, 0.3050, 0.3262



80.0414, 0.3048, 0.3675



20.3881, 0.3039, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

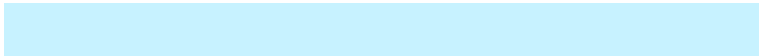


# Same Dimension

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



76.1329, 0.2848, 0.3180



82.9955, 0.2789, 0.3154



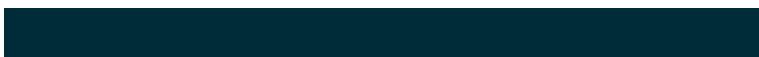
64.7674, 0.2835, 0.2938



17.2836, 0.2981, 0.3235



22.7420, 0.2039, 0.2539



2.0391, 0.2069, 0.2650



# Inverse Universe

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



65.1164, 0.3221, 0.2938



68.4861, 0.3244, 0.2859



79.2913, 0.3422, 0.3619



15.9663, 0.3173, 0.3109



12.0892, 0.3883, 0.1913

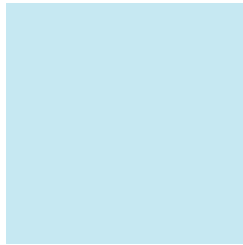


1.0206, 0.3776, 0.1854



# Previews

## White Background



This preview shows how the Yxy color 76.1298, 0.2848, 0.3180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

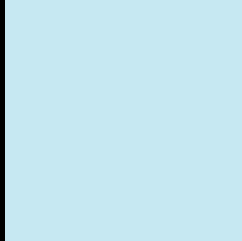
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1298, 0.2848, 0.3180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

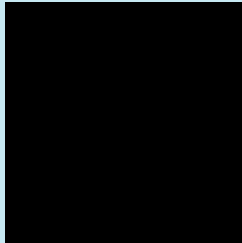
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

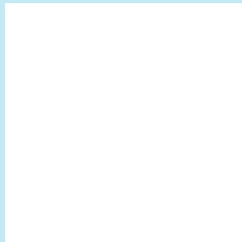
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.1298, 0.2848, 0.3180**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1298, 0.2848, 0.3180.

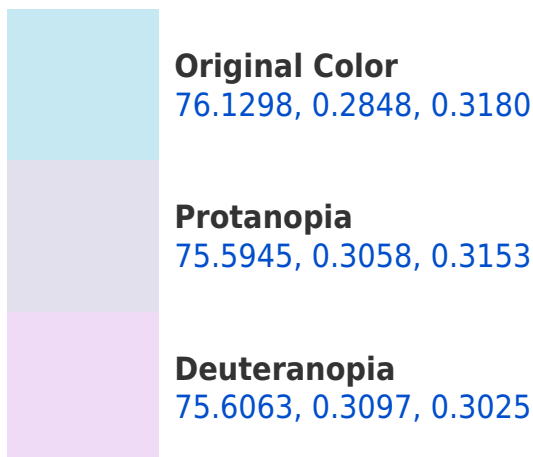


This preview shows how white text looks on a background with the Yxy color 76.1298, 0.2848, 0.3180.

# 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

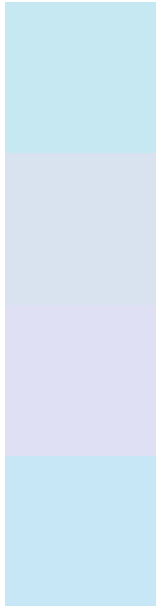




## Tritanopia

76.1335, 0.2814, 0.3094

# Trichromacy



## Original Color

76.1298, 0.2848, 0.3180

## Protanomaly

75.7691, 0.2978, 0.3162

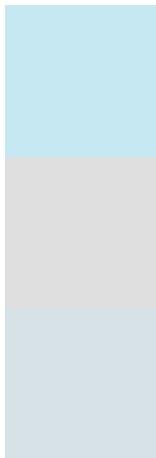
## Deuteranomaly

75.6903, 0.3000, 0.3080

## Tritanomaly

75.9478, 0.2831, 0.3126

# Monochromacy



## Original Color

76.1298, 0.2848, 0.3180

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.4020, 0.3020, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1298, 0.2848, 0.3180 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(198, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(198, 232, 242)  
}
```

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(198, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1298, 0.2848, 0.3180 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(198, 232, 242) }
```

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

```
.border{ border-color:rgb(198, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 232, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 232, 242); box-shadow:4px 4px 4px 4px rgb(198, 232, 242) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1298, 0.2848, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 242) }
```

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

```
.background{ background-color: rgb(198,  
232, 242) }
```

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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