

# Converting Colors

$Yxy(76.0705, 0.2937, 0.3325)$

Have a look what the booklet for  
Yxy(76.0705, 0.2937, 0.3325)  
contains.

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# Color

**Yxy(76.3525, 0.2941, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E9E5
RGB	201, 233, 229
RGB Percent	79%, 91%, 90%
CMY	0.2121, 0.0862, 0.1020
CMYK	0.14, 0.00, 0.02, 0.09
HSL	172°, 42%, 85%
HSV	172°, 14%, 91%
XYZ	67.3523, 76.3525, 85.3069
YIQ	222.9760, -17.7880, -8.0280

# Conversions

## Conversions Part 2

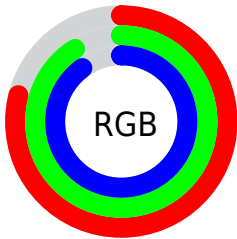
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 218, 233
Decimal	13232613
CIE Lab	90.02, -11.23, -1.58
CIE LCh	90, 11.338, 188.002
Yxy	76.3525, 0.2941, 0.3334
Android (android.graphics.Color)	4291422693 (0xFFC9E9E5)
YUV	222.9760, 2.9698, -19.2730
Hunter-Lab	87.3799, -15.3273, 3.2826

# Details

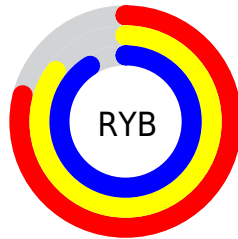
The Yxy color **76.3525, 0.2941, 0.3334** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4721, 0.3350, 0.3247**, and the grayscale version is **73.7545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7033, 0.2898, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **73.2066, 0.2815, 0.3370**, and if you desaturate by 10%, it is **79.9973, 0.3075, 0.3302**.

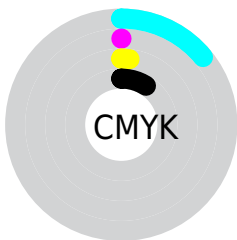
# Distribution



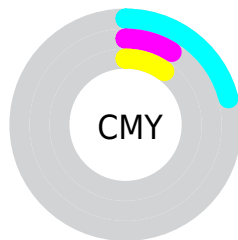
- Red (79%)
- Green (91%)
- Blue (90%)



- Red (79%)
- Yellow (85%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)




- Cyan (21%)
- Magenta (9%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3525, 0.2941, 0.3334 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 76.3525, 0.2941, 0.3334 by changing the saturation by 10% instead.



 76.3525, 0.2941,  
0.3334

 76.3525, 0.2941,  
0.3334


482.5535, 0.3026,  
0.3314

 56.7216, 0.2922,  
0.3338

128.2251, 0.2970,  
0.3327

 40.7818, 0.2898,  
0.3344


161.2355, 0.2982,  
0.3325

 28.1486, 0.2868,  
0.3350


199.4746, 0.2992,  
0.3322

 18.4377, 0.2829,  
0.3359

243.3267, 0.3000,  
0.3320

 11.2647, 0.2777,  
0.3370

293.1763, 0.3008,  
0.3319

 6.2452, 0.2702,  
0.3386

349.4077, 0.3015,

 2.9947, 0.2587,

0.3317

0.3410

412.4053, 0.3021,  
0.3316

■ 1.1290, 0.2385,  
0.3449

■ 0.0025, 0.0000,  
0.0218

■ 76.3525, 0.2941,  
0.3334

■ 76.3525, 0.2941,  
0.3334

■ 73.2066, 0.2815,  
0.3370

■ 79.9973, 0.3075,  
0.3302

■ 70.5282, 0.2699,  
0.3408

■ 84.1522, 0.3214,  
0.3272

■ 68.2966, 0.2598,  
0.3448


■ 85.7122, 0.3247,  
0.3244


■ 66.4861, 0.2512,  
0.3490


■ 85.8856, 0.3228,  
0.3215

 65.0683, 0.2445,  
0.3534

 86.0619, 0.3209,  
0.3187

 64.0113, 0.2397,  
0.3578


 86.2410, 0.3190,  
0.3158


 63.2781, 0.2369,  
0.3623

 86.4229, 0.3172,  
0.3130

 62.8237, 0.2359,  
0.3667

 86.6077, 0.3153,  
0.3102

 62.6384, 0.2359,  
0.3694

 86.7721, 0.3137,  
0.3078

# Harmonies

## Analogous

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



76.3525, 0.3055, 0.3447



76.3525, 0.2941, 0.3334



76.3525, 0.2877, 0.3211

# Triad

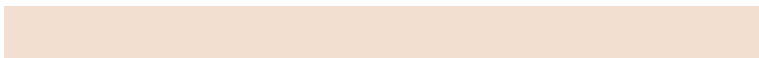
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3525, 0.2941, 0.3334



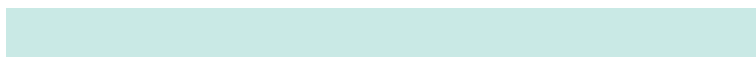
76.3525, 0.3060, 0.3076



76.3525, 0.3383, 0.3462

# Complementary

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



76.3525, 0.2941, 0.3334



63.4721, 0.3350, 0.3247

# 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.



76.3525, 0.3385, 0.3360



76.3525, 0.2941, 0.3334



76.3525, 0.3196, 0.3141

# Square

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



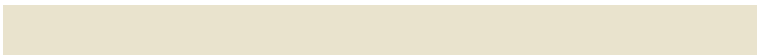
76.3525, 0.2941, 0.3334



76.3525, 0.2944, 0.3065



76.3525, 0.3316, 0.3243



76.3525, 0.3311, 0.3520

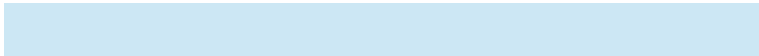


# Rectangle

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



76.3525, 0.2941, 0.3334



76.3525, 0.2870, 0.3141



76.3525, 0.3316, 0.3243



76.3525, 0.3392, 0.3431

# Sweetspot

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



76.3557, 0.2941, 0.3334



98.0342, 0.3072, 0.3302



75.5139, 0.3139, 0.3652



20.9067, 0.3061, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

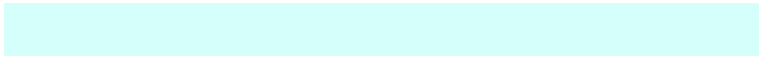


# Same Dimension

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



76.3557, 0.2941, 0.3334



92.3389, 0.2898, 0.3345



70.1394, 0.2913, 0.3158



17.0874, 0.2998, 0.3320



35.5465, 0.2358, 0.3687



2.8004, 0.2341, 0.3626



# Inverse Universe

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



63.4721, 0.3350, 0.3247



73.1872, 0.3415, 0.3236



68.9766, 0.3363, 0.3418



15.0849, 0.3273, 0.3261



9.8907, 0.6239, 0.3211

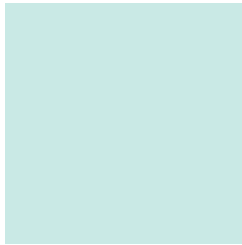


0.7866, 0.5935, 0.3043



# Previews

## White Background



This preview shows how the Yxy color 76.3525, 0.2941, 0.3334 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

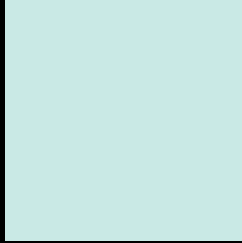
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3525, 0.2941, 0.3334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

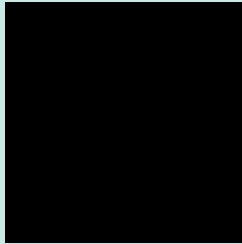
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

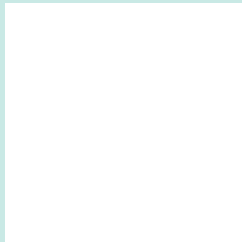
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3525, 0.2941, 0.3334**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3525, 0.2941, 0.3334.

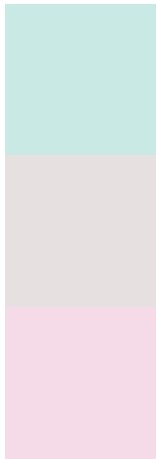


This preview shows how white text looks on a background with the Yxy color 76.3525, 0.2941, 0.3334.

# 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

76.3525, 0.2941, 0.3334

### Protanopia

76.0552, 0.3169, 0.3301

### Deuteranopia

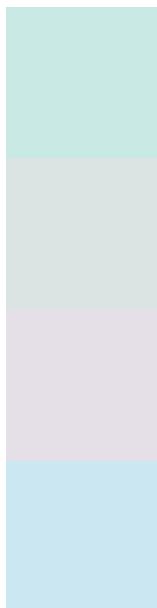
75.9017, 0.3227, 0.3158



## Tritanopia

76.2083, 0.2849, 0.3096

# Trichromacy



## Original Color

76.3525, 0.2941, 0.3334

## Protanomaly

76.0379, 0.3078, 0.3311

## Deuteranomaly

75.7388, 0.3117, 0.3216

## Tritanomaly

76.1992, 0.2884, 0.3181

# Monochromacy



## Original Color

76.3525, 0.2941, 0.3334

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.8215, 0.3058, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3525, 0.2941, 0.3334 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(201, 233, 229)` looks like.

```
.text, #text, p{  
    color:rgb(201, 233, 229)  
}
```

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(201, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 233, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3525, 0.2941, 0.3334 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(201, 233, 229) }
```

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

```
.border{ border-color:rgb(201, 233, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 233, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(201, 233,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3525, 0.2941, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 233, 229) }
```

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

```
.background{ background-color: rgb(201,  
233, 229) }
```

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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