

# Converting Colors

$Yxy(77.7864, 0.2942, 0.3396)$

Have a look what the booklet for  
Yxy(77.7864, 0.2942, 0.3396)  
contains.

<b>Yxy(77.6791, 0.2941, 0.3389)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(77.6791, 0.2941, 0.3389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7ECE3
RGB	199, 236, 227
RGB Percent	78%, 93%, 89%
CMY	0.2197, 0.0745, 0.1098
CMYK	0.16, 0.00, 0.04, 0.07
HSL	165°, 49%, 85%
HSV	165°, 16%, 93%
XYZ	67.4105, 77.6791, 84.1199
YIQ	223.9110, -19.1630, -10.6430

# Conversions

## Conversions Part 2

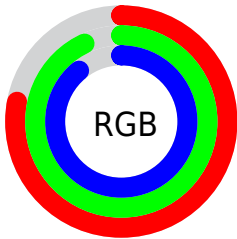
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 220, 236
Decimal	13102307
CIE <sub>Lab</sub>	90.63, -13.73, 0.33
CIE <sub>LCh</sub>	91, 13.735, 178.609
Yxy	77.6791, 0.2941, 0.3389
Android (android.graphics.Color)	4291292387 (0xFFC7ECE3)
YUV	223.9110, 1.5229, -21.8469
Hunter-Lab	88.1357, -17.7121, 5.1065

# Details

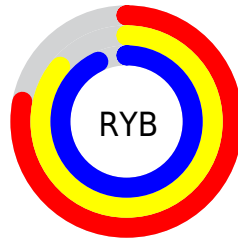
The Yxy color **77.6791, 0.2941, 0.3389** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2255, 0.3354, 0.3193**, and the grayscale version is **74.4734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6408, 0.2899, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **74.3893, 0.2830, 0.3460**, and if you desaturate by 10%, it is **81.4865, 0.3058, 0.3324**.

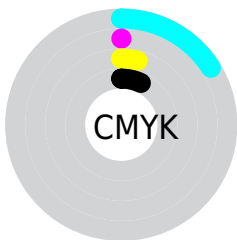
# Distribution



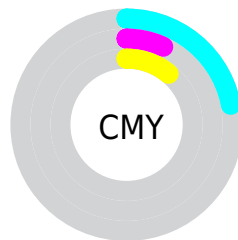
- Red (78%)
- Green (93%)
- Blue (89%)



- Red (78%)
- Yellow (86%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6791, 0.2941, 0.3389 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 77.6791, 0.2941, 0.3389 by changing the saturation by 10% instead.



■ 77.6791, 0.2941,  
0.3389

■ 77.6791, 0.2941,  
0.3389

487.0763, 0.3026,  
0.3344

■ 57.8104, 0.2922,  
0.3399

130.0977, 0.2970,  
0.3373

■ 41.6562, 0.2898,  
0.3412

163.4163, 0.2982,  
0.3367

■ 28.8322, 0.2868,  
0.3428

201.9871, 0.2992,  
0.3362

■ 18.9539, 0.2830,  
0.3448

246.1943, 0.3000,  
0.3357

■ 11.6370, 0.2777,  
0.3476

296.4225, 0.3008,  
0.3353

■ 6.4970, 0.2703,  
0.3516


353.0560, 0.3015,


■ 3.1496, 0.2588,


0.3350


416.4791, 0.3021,  
0.3347


0.3578


 1.2103, 0.2387,  
0.3686

 0.0701, 0.0000,  
0.5694


 77.6791, 0.2941,  
0.3389


 77.6791, 0.2941,  
0.3389


 74.3893, 0.2830,  
0.3460

 81.4865, 0.3058,  
0.3324


 71.5844, 0.2729,  
0.3537

 85.8235, 0.3180,  
0.3266

 69.2426, 0.2641,  
0.3619

 87.8011, 0.3203,  
0.3210

 67.3368, 0.2569,  
0.3705

 88.1554, 0.3167,  
0.3155

■ 65.8371, 0.2514,  
0.3795

■ 88.4763, 0.3136,  
0.3107

■ 64.7094, 0.2479,  
0.3886

■ 63.9144, 0.2464,  
0.3977

■ 63.4032, 0.2469,  
0.4068

■ 63.2369, 0.2474,  
0.4106

# Harmonies

## Analogous

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



77.6791, 0.3090, 0.3513



77.6791, 0.2941, 0.3389



77.6791, 0.2842, 0.3239

# Triad

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



77.6791, 0.2941, 0.3389



77.6791, 0.2997, 0.3022



77.6791, 0.3446, 0.3461

# Complementary

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



77.6791, 0.2941, 0.3389



63.2255, 0.3354, 0.3193

# 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.



77.6791, 0.3420, 0.3330



77.6791, 0.2941, 0.3389



77.6791, 0.3158, 0.3081

# Square

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



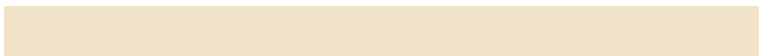
77.6791, 0.2941, 0.3389



77.6791, 0.2874, 0.3030



77.6791, 0.3314, 0.3192



77.6791, 0.3384, 0.3552

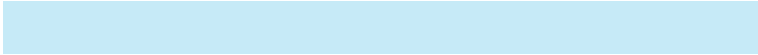


# Rectangle

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



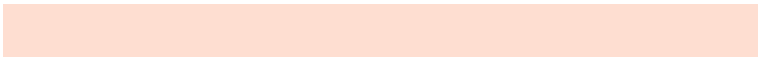
77.6791, 0.2941, 0.3389



77.6791, 0.2817, 0.3147



77.6791, 0.3314, 0.3192



77.6791, 0.3447, 0.3420

# Sweetspot

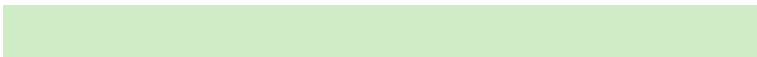
The Sweet Spot groups the original color and five complimentary colors.



77.6823, 0.2941, 0.3389



97.4635, 0.3066, 0.3320



77.5633, 0.3170, 0.3703



20.7877, 0.3058, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

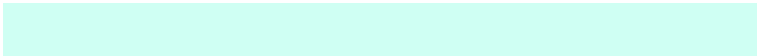


# Same Dimension

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



77.6823, 0.2941, 0.3389



91.2054, 0.2903, 0.3412



72.9988, 0.2885, 0.3187



17.0557, 0.3013, 0.3348



34.8757, 0.2470, 0.4092



2.7535, 0.2435, 0.3966



# Inverse Universe

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



63.2255, 0.3354, 0.3193



70.7469, 0.3413, 0.3171



67.1849, 0.3408, 0.3391



15.1141, 0.3255, 0.3233



10.0117, 0.5948, 0.3050

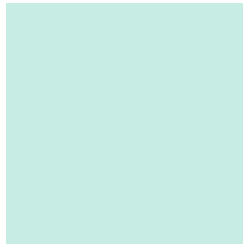


0.8010, 0.5559, 0.2836



# Previews

## White Background



This preview shows how the Yxy color 77.6791, 0.2941, 0.3389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

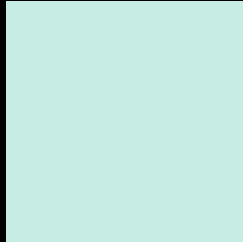
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6791, 0.2941, 0.3389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

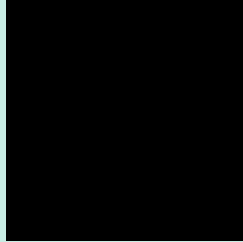
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

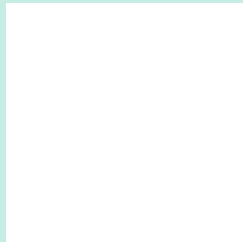
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6791, 0.2941, 0.3389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6791, 0.2941, 0.3389.

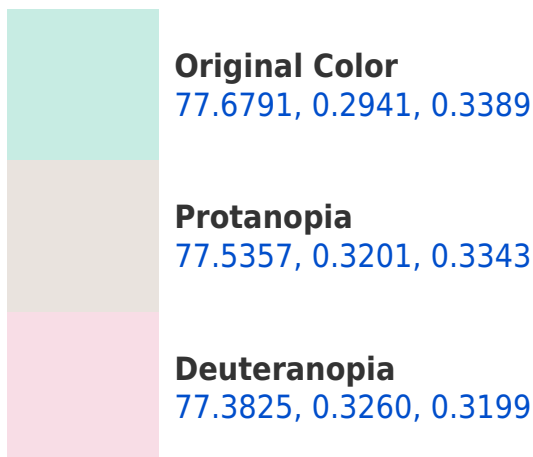


This preview shows how white text looks on a background with the Yxy color 77.6791, 0.2941, 0.3389.

# 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

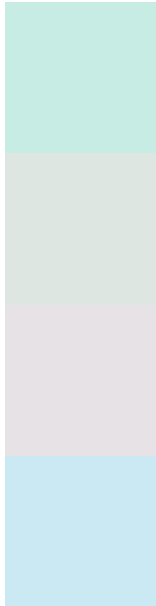




## Tritanopia

77.3748, 0.2828, 0.3086

# Trichromacy



**Original Color**

77.6791, 0.2941, 0.3389

**Protanomaly**

77.3476, 0.3104, 0.3354

**Deuteranomaly**

76.8728, 0.3136, 0.3259

**Tritanomaly**

77.2452, 0.2873, 0.3192

# Monochromacy



**Original Color**

77.6791, 0.2941, 0.3389

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.3701, 0.3057, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6791, 0.2941, 0.3389 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(199, 236, 227)` looks like.

```
.text, #text, p{  
    color:rgb(199, 236, 227)  
}
```

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(199, 236, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 236, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6791, 0.2941, 0.3389 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(199, 236, 227) }
```

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

```
.border{ border-color:rgb(199, 236, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 236, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 236, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 236, 227);  
box-shadow:4px 4px 4px 4px rgb(199, 236,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6791, 0.2941, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 236, 227) }
```

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

```
.background{ background-color: rgb(199,  
236, 227) }
```

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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