

# Converting Colors

$Yxy(75.5679, 0.3220, 0.3909)$

Have a look what the booklet for  
Yxy(75.5679, 0.3220, 0.3909)  
contains.

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# Color

**Yxy(75.6477, 0.3218, 0.3910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8ECB6
RGB	200, 236, 182
RGB Percent	78%, 93%, 71%
CMY	0.2156, 0.0745, 0.2863
CMYK	0.15, 0.00, 0.23, 0.07
HSL	100°, 59%, 82%
HSV	100°, 23%, 93%
XYZ	62.2594, 75.6477, 55.5653
YIQ	219.0800, -4.1220, -24.4260

# Conversions

## Conversions Part 2

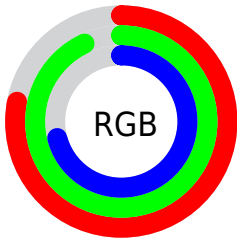
Format	Color
<a href="#">RYB</a>	<a href="#">182, 236, 218</a>
Decimal	<a href="#">13167798</a>
CIELab	<a href="#">89.70, -21.35, 22.41</a>
CIELCh	<a href="#">90, 30.950, 133.612</a>
Yxy	<a href="#">75.6477, 0.3218, 0.3910</a>
Android (android.graphics.Color)	<a href="#">4291357878</a> ( <a href="#">0xFFC8ECB6</a> )
YUV	<a href="#">219.0800, -18.2804, -16.7332</a>
Hunter-Lab	<a href="#">86.9757, -24.4326, 23.0050</a>

# Details

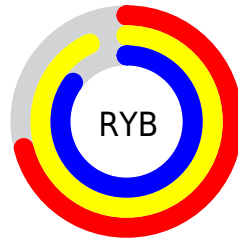
The Yxy color **75.6477, 0.3218, 0.3910** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.4060, 0.3011, 0.2696**, and the grayscale version is **71.0307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **40.2472, 0.3226, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **72.7012, 0.3252, 0.4219**, and if you desaturate by 10%, it is **78.9878, 0.3180, 0.3623**.

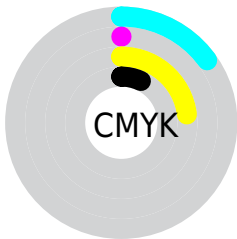
# Distribution



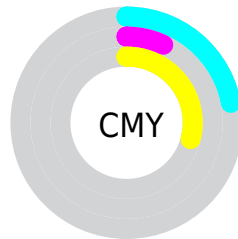
- Red (78%)
- Green (93%)
- Blue (71%)



- Red (71%)
- Yellow (93%)
- Blue (85%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6477, 0.3218, 0.3910 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 75.6477, 0.3218, 0.3910 by changing the saturation by 10% instead.




 75.6477, 0.3218,  
0.3910

 75.6477, 0.3218,  
0.3910

480.1409, 0.3182,  
0.3615

 56.1437, 0.3225,  
0.3979


 127.2288, 0.3207,  
0.3806

 40.3181, 0.3232,  
0.4065


160.0746, 0.3202,  
0.3766

 27.7867, 0.3240,  
0.4176


198.1365, 0.3198,  
0.3732

 18.1649, 0.3248,  
0.4323

241.7989, 0.3194,  
0.3702

 11.0684, 0.3253,  
0.4526

291.4461, 0.3190,  
0.3677

 6.1129, 0.3250,  
0.4825


347.4626, 0.3187,

 2.9138, 0.3222,

0.3654

0.5307


410.2327, 0.3184,  
0.3633


 1.0869, 0.3147,  
0.6853


 0.0000, 0.0000,  
0.0000

 75.6477, 0.3218,  
0.3910


 75.6477, 0.3218,  
0.3910

 72.7012, 0.3252,  
0.4219


 78.9878, 0.3180,  
0.3623


 70.1235, 0.3278,  
0.4540

 82.7258, 0.3139,  
0.3361

 67.9020, 0.3293,  
0.4862

 86.8783, 0.3098,  
0.3125

 66.0194, 0.3293,  
0.5167

 88.4730, 0.3136,  
0.3107

■ 64.4569, 0.3278,  
0.5437

■ 63.1933, 0.3246,  
0.5652

■ 62.2042, 0.3199,  
0.5801

■ 61.6457, 0.3162,  
0.5871

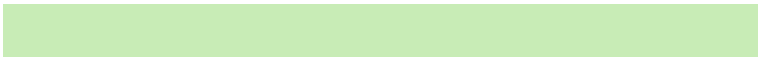
# Harmonies

## Analogous

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



75.6477, 0.3566, 0.3938



75.6477, 0.3218, 0.3910



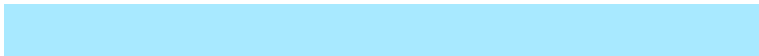
75.6477, 0.2859, 0.3682

# Triad

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



75.6477, 0.3218, 0.3910



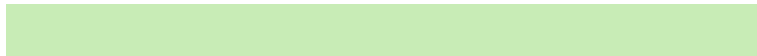
75.6477, 0.2485, 0.2771



75.6477, 0.3697, 0.3210

# Complementary

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



75.6477, 0.3218, 0.3910



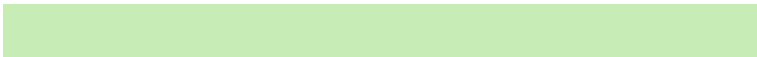
54.4060, 0.3011, 0.2696

# 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.



75.6477, 0.3377, 0.2940



75.6477, 0.3218, 0.3910



75.6477, 0.2680, 0.2689

# Square

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



75.6477, 0.3218, 0.3910



75.6477, 0.2450, 0.2998



75.6477, 0.3002, 0.2753

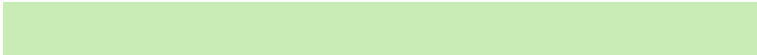


75.6477, 0.3856, 0.3512



# Rectangle

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



75.6477, 0.3218, 0.3910



75.6477, 0.2660, 0.3455



75.6477, 0.3002, 0.2753



75.6477, 0.3603, 0.3114

# Sweetspot

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



75.6510, 0.3218, 0.3910



96.7172, 0.3156, 0.3466



70.8854, 0.3515, 0.3671



20.6433, 0.3158, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

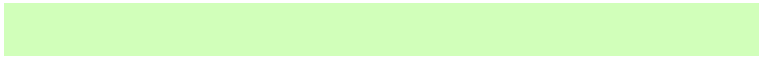


# Same Dimension

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



75.6510, 0.3218, 0.3910



88.6461, 0.3233, 0.4038



73.6573, 0.3049, 0.3834



17.1064, 0.3166, 0.3530



34.0423, 0.3173, 0.5863



2.7240, 0.3279, 0.5779



# Inverse Universe

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



54.4060, 0.3011, 0.2696



59.5599, 0.2984, 0.2579



56.8780, 0.3216, 0.2801



15.0474, 0.3085, 0.3054



7.3755, 0.2384, 0.1087

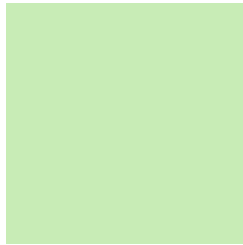


0.6314, 0.2500, 0.1151



# Previews

## White Background



This preview shows how the Yxy color 75.6477, 0.3218, 0.3910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

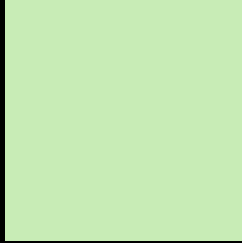
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6477, 0.3218, 0.3910 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

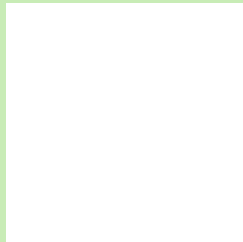
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.6477, 0.3218, 0.3910**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6477, 0.3218, 0.3910.

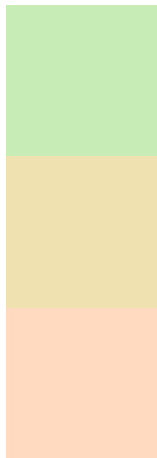


This preview shows how white text looks on a background with the Yxy color 75.6477, 0.3218, 0.3910.

# 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

75.6477, 0.3218, 0.3910

### Protanopia

75.5500, 0.3561, 0.3800

### Deuteranopia

75.2531, 0.3579, 0.3547



## Tritanopia

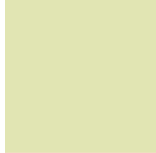
75.2936, 0.2897, 0.3086

# Trichromacy



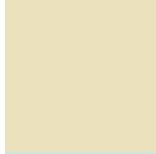
## Original Color

75.6477, 0.3218, 0.3910



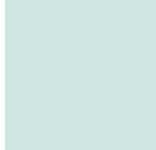
## Protanomaly

75.3008, 0.3426, 0.3839



## Deuteranomaly

75.1867, 0.3441, 0.3677



## Tritanomaly

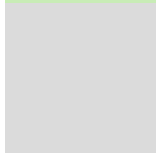
75.0432, 0.3009, 0.3367

# Monochromacy



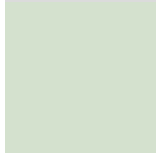
## Original Color

75.6477, 0.3218, 0.3910



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.3037, 0.3159, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6477, 0.3218, 0.3910 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, 236, 182)` looks like.

```
.text, #text, p{  
    color:rgb(200, 236, 182)  
}
```

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, 236, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 236, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6477, 0.3218, 0.3910 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, 236, 182) }
```

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

```
.border{ border-color:rgb(200, 236, 182) }
```

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

Here you see how a box with a 4 pixel rgb(200, 236, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 236, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 236, 182);  
box-shadow:4px 4px 4px 4px rgb(200, 236,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6477, 0.3218, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 236, 182) }
```

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

```
.background{ background-color: rgb(200,  
236, 182) }
```

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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