

Converting Colors

$Yxy(76.2539, 0.3118, 0.3650)$

Have a look what the booklet for
Yxy(76.2539, 0.3118, 0.3650)
contains.

Yxy(76.5658, 0.3117, 0.3650)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.5658, 0.3117, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	CCEBCB
RGB	204, 235, 203
RGB Percent	80%, 92%, 80%
CMY	0.2000, 0.0784, 0.2040
CMYK	0.13, 0.00, 0.14, 0.08
HSL	118°, 44%, 86%
HSV	118°, 14%, 92%
XYZ	65.3851, 76.5658, 67.8184
YIQ	222.0830, -8.2040, -16.5240

Conversions

Conversions Part 2

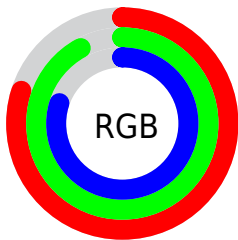
Format	Color
R _Y B	203, 235, 234
Decimal	13429707
CIE Lab	90.12, -16.04, 12.17
CIE LCh	90, 20.128, 142.813
Yxy	76.5658, 0.3117, 0.3650
Android (android.graphics.Color)	4291619787 (0xFFCCEBCB)
YUV	222.0830, -9.4079, -15.8588
Hunter-Lab	87.5019, -19.7456, 15.2985

Details

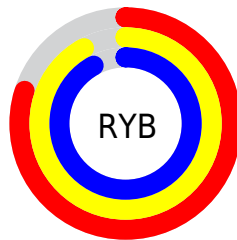
The Yxy color **76.5658, 0.3117, 0.3650** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.1933, 0.3135, 0.2953**, and the grayscale version is **73.1802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8942, 0.3115, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **72.5480, 0.3107, 0.3955**, and if you desaturate by 10%, it is **81.2299, 0.3125, 0.3380**.

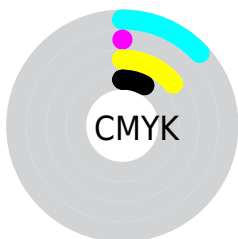
Distribution



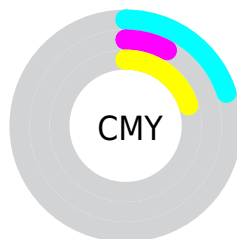
- Red (80%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (92%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5658, 0.3117, 0.3650 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 76.5658, 0.3117, 0.3650 by changing the saturation by 10% instead.

■ 76.5658, 0.3117,
0.3650

■ 76.5658, 0.3117,
0.3650

483.2823, 0.3124,
0.3481

■ 56.8966, 0.3115,
0.3689

128.5264, 0.3120,
0.3591

■ 40.9222, 0.3112,
0.3738

161.5865, 0.3121,
0.3568

■ 28.2583, 0.3108,
0.3801

199.8791, 0.3121,
0.3548

■ 18.5205, 0.3102,
0.3883

243.7885, 0.3122,
0.3531

■ 11.3243, 0.3093,
0.3998

293.6992, 0.3123,
0.3516

■ 6.2854, 0.3077,
0.4166

349.9954, 0.3123,

■ 3.0194, 0.3044,

0.3503

0.4438

413.0617, 0.3123,
0.3491

■ 1.1419, 0.3083,
0.5226

■ 0.0134, 0.0000,
1.0000

■ 76.5658, 0.3117,
0.3650

■ 76.5658, 0.3117,
0.3650

■ 72.5480, 0.3107,
0.3955

■ 81.2299, 0.3125,
0.3380

■ 69.1387, 0.3096,
0.4289

■ 86.5568, 0.3131,
0.3143

■ 66.3114, 0.3082,
0.4643

■ 87.9024, 0.3136,
0.3097

■ 64.0333, 0.3067,
0.5000

■ 62.2690, 0.3051,
0.5335

■ 60.9784, 0.3035,
0.5621

■ 60.1158, 0.3020,
0.5831

■ 59.6263, 0.3009,
0.5955

■ 59.4702, 0.3005,
0.5996

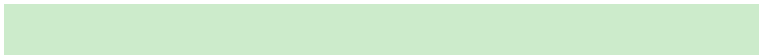
Harmonies

Analogous

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



76.5658, 0.3352, 0.3714



76.5658, 0.3117, 0.3650



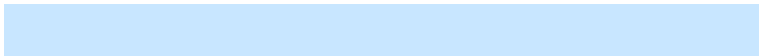
76.5658, 0.2891, 0.3477

Triad

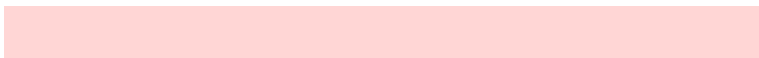
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5658, 0.3117, 0.3650



76.5658, 0.2733, 0.2924



76.5658, 0.3539, 0.3304

Complementary

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



76.5658, 0.3117, 0.3650



66.1933, 0.3135, 0.2953

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.



76.5658, 0.3361, 0.3111



76.5658, 0.3117, 0.3650



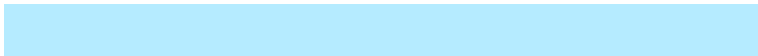
76.5658, 0.2894, 0.2895

Square

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



76.5658, 0.3117, 0.3650



76.5658, 0.2675, 0.3051



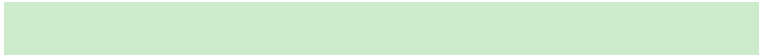
76.5658, 0.3123, 0.2963



76.5658, 0.3602, 0.3502

Rectangle

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



76.5658, 0.3117, 0.3650



76.5658, 0.2774, 0.3329



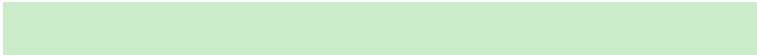
76.5658, 0.3123, 0.2963



76.5658, 0.3490, 0.3237

Sweetspot

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



76.5691, 0.3117, 0.3650



97.5347, 0.3124, 0.3389



80.7875, 0.3333, 0.3616



20.7803, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



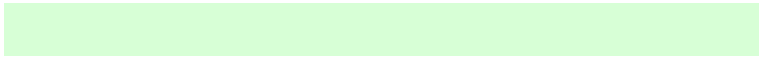
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5691, 0.3117, 0.3650



90.9061, 0.3115, 0.3721



77.1741, 0.3020, 0.3479



16.8848, 0.3120, 0.3533



33.1049, 0.3007, 0.5995



2.6075, 0.3026, 0.5980

Inverse Universe

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



66.1933, 0.3135, 0.2953



76.4312, 0.3137, 0.2891



65.5366, 0.3250, 0.3108



15.2882, 0.3133, 0.3058



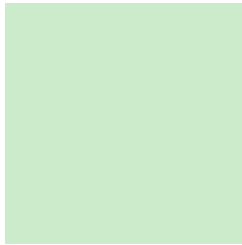
12.4917, 0.3131, 0.1498



0.9885, 0.3142, 0.1505

Previews

White Background



This preview shows how the Yxy color 76.5658, 0.3117, 0.3650 looks on a white background.

Color Contrast Check

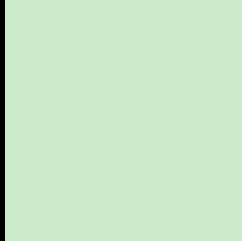
Large Text (above 18pt) WCAG AA × Fail

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 76.5658, 0.3117, 0.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

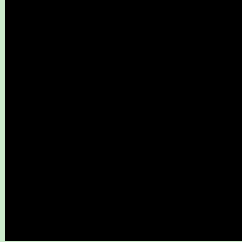
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

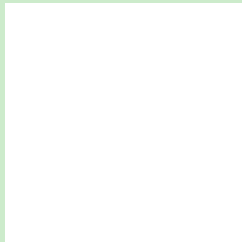
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5658, 0.3117, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 76.5658, 0.3117, 0.3650.

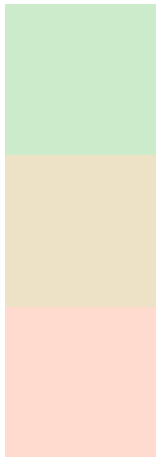


This preview shows how white text looks on a background with the Yxy color 76.5658, 0.3117, 0.3650.

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

76.5658, 0.3117, 0.3650

Protanopia

76.4745, 0.3392, 0.3588

Deuteranopia

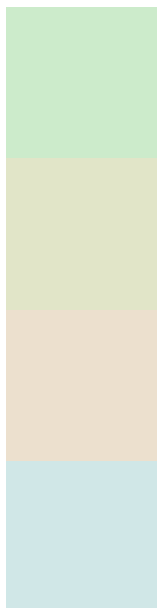
75.9078, 0.3477, 0.3403



Tritanopia

76.6029, 0.2898, 0.3098

Trichromacy



Original Color

76.5658, 0.3117, 0.3650

Protanomaly

76.2163, 0.3287, 0.3605

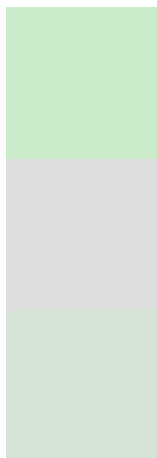
Deuteranomaly

75.6004, 0.3333, 0.3481

Tritanomaly

76.3312, 0.2974, 0.3290

Monochromacy



Original Color

76.5658, 0.3117, 0.3650

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.2915, 0.3121, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5658, 0.3117, 0.3650 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(204, 235, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 235, 203)  
}
```

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(204, 235, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 235, 203) }
```

Border

The CSS property to change the border of an element to Yxy 76.5658, 0.3117, 0.3650 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(204, 235, 203) }
```

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

```
.border{ border-color:rgb(204, 235, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 235, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 235, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 235, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 235,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5658, 0.3117, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 235, 203) }
```

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

```
.background{ background-color: rgb(204,  
235, 203) }
```

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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