

Converting Colors

$Yxy(76.6632, 0.3158, 0.3675)$

Have a look what the booklet for
Yxy(76.6632, 0.3158, 0.3675)
contains.

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Color

Yxy(76.8522, 0.3156, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	CFEBC8
RGB	207, 235, 200
RGB Percent	81%, 92%, 78%
CMY	0.1881, 0.0784, 0.2157
CMYK	0.12, 0.00, 0.15, 0.08
HSL	108°, 47%, 85%
HSV	108°, 15%, 92%
XYZ	65.8733, 76.8522, 65.9985
YIQ	222.6380, -5.4530, -16.8210

Conversions

Conversions Part 2

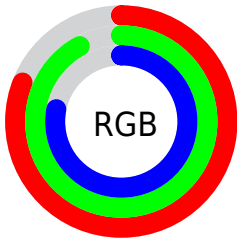
Format	Color
RYB	200, 235, 228
Decimal	13626312
CIELab	90.25, -15.51, 13.94
CIElCh	90, 20.850, 138.059
Yxy	76.8522, 0.3156, 0.3682
Android (android.graphics.Color)	4291816392 (0xFFCFEBC8)
YUV	222.6380, -11.1605, -13.7145
Hunter-Lab	87.6654, -19.2864, 16.7295

Details

The Yxy color **76.8522, 0.3156, 0.3682** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.7867, 0.3091, 0.2916**, and the grayscale version is **73.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9909, 0.3156, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **73.2950, 0.3172, 0.3981**, and if you desaturate by 10%, it is **80.9062, 0.3137, 0.3412**.

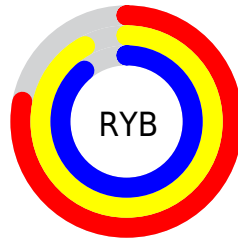
Distribution



Red (81%)

Green (92%)

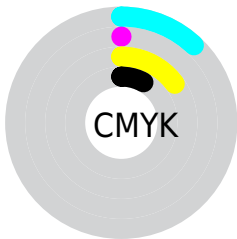
Blue (78%)



Red (78%)

Yellow (92%)

Blue (89%)

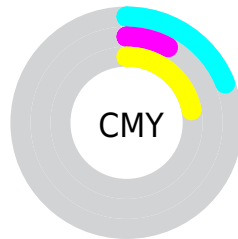


Cyan (12%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (19%)


Magenta (8%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8522, 0.3156, 0.3682 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 76.8522, 0.3156, 0.3682 by changing the saturation by 10% instead.


 76.8522, 0.3156,
0.3682

 76.8522, 0.3156,
0.3682


484.2600, 0.3145,
0.3498

 57.1316, 0.3158,
0.3725


128.9308, 0.3153,
0.3618

 41.1109, 0.3160,
0.3778

162.0576, 0.3151,
0.3593

 28.4057, 0.3162,
0.3846


200.4219, 0.3150,
0.3571

 18.6317, 0.3164,
0.3936

244.4081, 0.3149,
0.3553

 11.4045, 0.3165,
0.4060

294.4007, 0.3148,
0.3536

 6.3396, 0.3162,
0.4242

350.7839, 0.3147,

 3.0527, 0.3150,

0.3522

0.4534

413.9422, 0.3146,
0.3509

■ 1.1593, 0.3301,
0.5465

■ 0.0281, 0.0000,
1.0000

■ 76.8522, 0.3156,
0.3682

■ 76.8522, 0.3156,
0.3682

■ 73.2950, 0.3172,
0.3981

■ 80.9062, 0.3137,
0.3412

■ 70.2057, 0.3184,
0.4305

■ 85.4648, 0.3117,
0.3171

■ 67.5675, 0.3190,
0.4643

■ 87.8943, 0.3136,
0.3097

■ 65.3588, 0.3187,
0.4981

■ 63.5561, 0.3174,
0.5297

■ 62.1336, 0.3151,
0.5569

■ 61.0622, 0.3119,
0.5776

■ 60.3083, 0.3081,
0.5907

■ 60.0268, 0.3063,
0.5950

Harmonies

Analogous

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



76.8522, 0.3395, 0.3727



76.8522, 0.3156, 0.3682



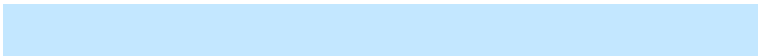
76.8522, 0.2916, 0.3518

Triad

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



76.8522, 0.3156, 0.3682



76.8522, 0.2703, 0.2925



76.8522, 0.3531, 0.3271

Complementary

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



76.8522, 0.3156, 0.3682



63.7867, 0.3091, 0.2916

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.



76.8522, 0.3332, 0.3076



76.8522, 0.3156, 0.3682



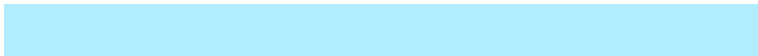
76.8522, 0.2854, 0.2879

Square

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



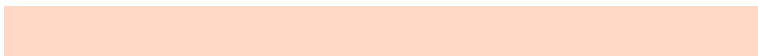
76.8522, 0.3156, 0.3682



76.8522, 0.2661, 0.3071



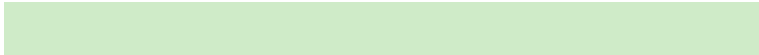
76.8522, 0.3083, 0.2935



76.8522, 0.3617, 0.3478

Rectangle

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



76.8522, 0.3156, 0.3682



76.8522, 0.2787, 0.3368



76.8522, 0.3083, 0.2935



76.8522, 0.3474, 0.3203

Sweetspot

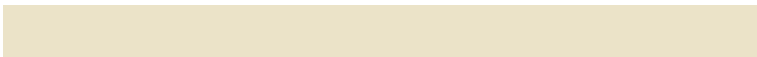
The Sweet Spot groups the original color and five complimentary colors.



76.8555, 0.3156, 0.3682



97.8482, 0.3135, 0.3389



76.9946, 0.3362, 0.3582



20.8593, 0.3137, 0.3408



0.0000, 0.0000, 0.0000



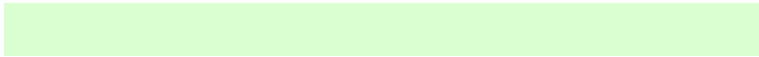
21.4041, 0.3127, 0.3290

Same Dimension

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



76.8555, 0.3156, 0.3682



91.0874, 0.3162, 0.3774



76.3409, 0.3048, 0.3572



17.0082, 0.3146, 0.3531



33.4518, 0.3070, 0.5944



2.6664, 0.3158, 0.5874

Inverse Universe

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



63.7867, 0.3091, 0.2916



72.4182, 0.3082, 0.2833



64.4060, 0.3216, 0.3023



15.1516, 0.3106, 0.3056



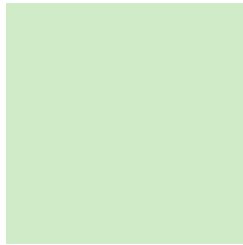
9.3194, 0.2705, 0.1264



0.7706, 0.2778, 0.1304

Previews

White Background



This preview shows how the Yxy color 76.8522, 0.3156, 0.3682 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 76.8522, 0.3156, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

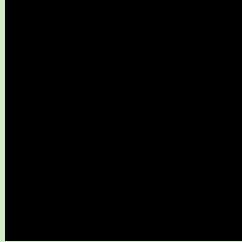
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

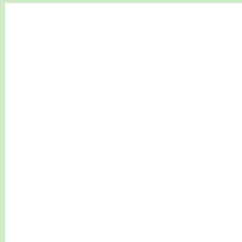
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8522, 0.3156, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 76.8522, 0.3156, 0.3682.

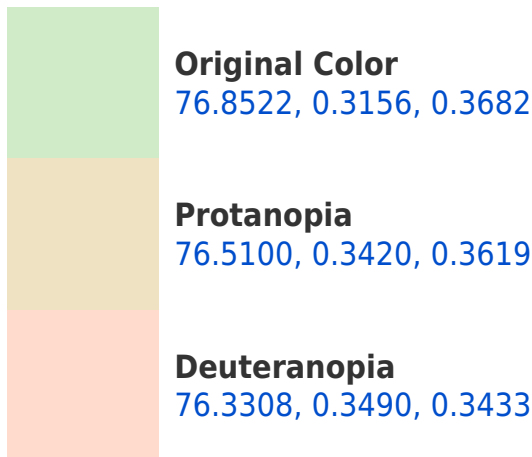


This preview shows how white text looks on a background with the Yxy color 76.8522, 0.3156, 0.3682.

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

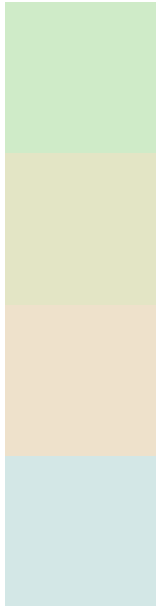




Tritanopia

76.4983, 0.2917, 0.3088

Trichromacy



Original Color

76.8522, 0.3156, 0.3682

Protanomaly

76.4007, 0.3322, 0.3637

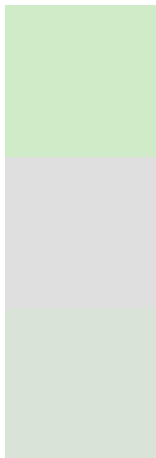
Deuteranomaly

76.3394, 0.3367, 0.3523

Tritanomaly

76.7139, 0.3000, 0.3300

Monochromacy



Original Color

76.8522, 0.3156, 0.3682

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.5962, 0.3135, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8522, 0.3156, 0.3682 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(207, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(207, 235, 200)  
}
```

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(207, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 235, 200) }
```

Border

The CSS property to change the border of an element to Yxy 76.8522, 0.3156, 0.3682 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(207, 235, 200) }
```

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

```
.border{ border-color:rgb(207, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(207, 235,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8522, 0.3156, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 235, 200) }
```

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

```
.background{ background-color: rgb(207,  
235, 200) }
```

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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