

Converting Colors

$Yxy(77.9770, 0.3148, 0.3645)$

Have a look what the booklet for
Yxy(77.9770, 0.3148, 0.3645)
contains.

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Color

Yxy(78.0522, 0.3151, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	D2ECCC
RGB	210, 236, 204
RGB Percent	82%, 93%, 80%
CMY	0.1764, 0.0745, 0.2002
CMYK	0.11, 0.00, 0.14, 0.07
HSL	109°, 46%, 86%
HSV	109°, 14%, 93%
XYZ	67.4739, 78.0522, 68.6088
YIQ	224.5780, -5.2240, -15.4640

Conversions

Conversions Part 2

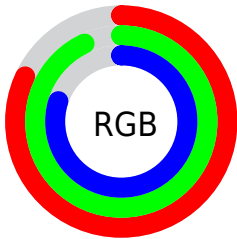
Format	Color
R_{YB}	204, 236, 230
Decimal	13823180
CIE _{Lab}	90.80, -14.33, 12.68
CIE _{LCh}	91, 19.132, 138.484
Yxy	78.0522, 0.3151, 0.3645
Android (android.graphics.Color)	4292013260 (0xFFD2ECCC)
YUV	224.5780, -10.1450, -12.7849
Hunter-Lab	88.3472, -18.2806, 15.7994

Details

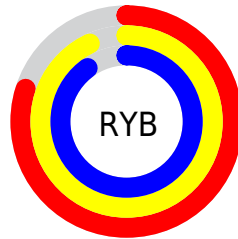
The Yxy color **78.0522, 0.3151, 0.3645** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.0346, 0.3098, 0.2950**, and the grayscale version is **75.0561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8131, 0.3150, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **74.3650, 0.3166, 0.3941**, and if you desaturate by 10%, it is **82.2534, 0.3134, 0.3378**.

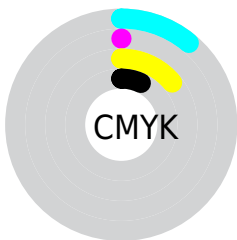
Distribution



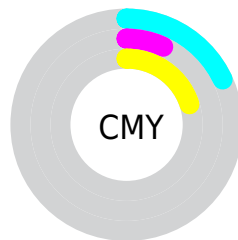
- Red (82%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (90%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)





- Cyan (18%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0522, 0.3151, 0.3645 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 78.0522, 0.3151, 0.3645 by changing the saturation by 10% instead.


 78.0522, 0.3151,
0.3645

 78.0522, 0.3151,
0.3645


488.3441, 0.3142,
0.3479

 58.1169, 0.3153,
0.3683


130.6237, 0.3148,
0.3587

 41.9026, 0.3154,
0.3731


164.0287, 0.3147,
0.3565

 29.0250, 0.3156,
0.3792


202.6923, 0.3146,
0.3545

 19.0998, 0.3158,
0.3872

246.9989, 0.3145,
0.3529

 11.7424, 0.3158,
0.3982

297.3331, 0.3144,
0.3514

 6.5685, 0.3157,
0.4143

354.0790, 0.3143,

 3.1938, 0.3148,

0.3501

0.4399

417.6212, 0.3143,
0.3489

■ 1.2337, 0.3230,
0.5063

■ 0.0890, 0.0000,
1.0000

■ 78.0522, 0.3151,
0.3645

■ 78.0522, 0.3151,
0.3645

■ 74.3650, 0.3166,
0.3941

■ 82.2534, 0.3134,
0.3378

■ 71.1623, 0.3177,
0.4263

■ 86.9769, 0.3115,
0.3141

■ 68.4267, 0.3182,
0.4602

■ 88.4725, 0.3136,
0.3107

■ 66.1359, 0.3179,
0.4942

■ 64.2657, 0.3167,
0.5264

■ 62.7897, 0.3145,
0.5544

■ 61.6781, 0.3114,
0.5760

■ 60.8964, 0.3078,
0.5901

■ 60.5432, 0.3056,
0.5956

Harmonies

Analogous

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



78.0522, 0.3369, 0.3689



78.0522, 0.3151, 0.3645



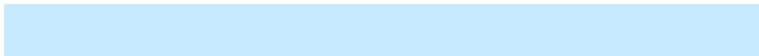
78.0522, 0.2932, 0.3495

Triad

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



78.0522, 0.3151, 0.3645



78.0522, 0.2740, 0.2956



78.0522, 0.3497, 0.3276

Complementary

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



78.0522, 0.3151, 0.3645



66.0346, 0.3098, 0.2950

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.



78.0522, 0.3318, 0.3097



78.0522, 0.3151, 0.3645



78.0522, 0.2880, 0.2914

Square

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



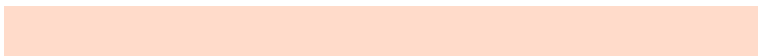
78.0522, 0.3151, 0.3645



78.0522, 0.2700, 0.3089



78.0522, 0.3090, 0.2966



78.0522, 0.3574, 0.3466

Rectangle

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



78.0522, 0.3151, 0.3645



78.0522, 0.2814, 0.3358



78.0522, 0.3090, 0.2966



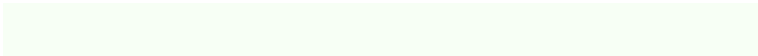
78.0522, 0.3446, 0.3213

Sweetspot

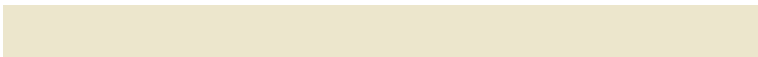
The Sweet Spot groups the original color and five complimentary colors.



78.0555, 0.3151, 0.3645



97.8257, 0.3134, 0.3389



78.5588, 0.3339, 0.3561



20.8536, 0.3136, 0.3408



0.0000, 0.0000, 0.0000



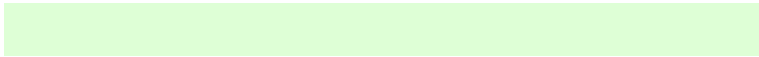
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0555, 0.3151, 0.3645



91.9030, 0.3155, 0.3716



77.6572, 0.3052, 0.3539



16.9993, 0.3144, 0.3532



33.4129, 0.3063, 0.5950



2.6621, 0.3149, 0.5882

Inverse Universe

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



66.0346, 0.3098, 0.2950



75.2386, 0.3091, 0.2886



66.5118, 0.3211, 0.3053



15.1613, 0.3108, 0.3056



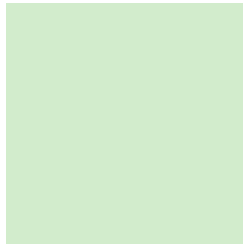
9.5200, 0.2735, 0.1280



0.7846, 0.2804, 0.1318

Previews

White Background



This preview shows how the Yxy color 78.0522, 0.3151, 0.3645 looks on a white background.

Color Contrast Check

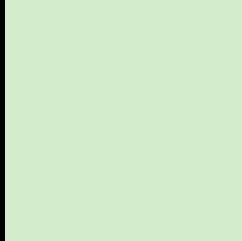
Large Text (above 18pt) WCAG AA × Fail

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 78.0522, 0.3151, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

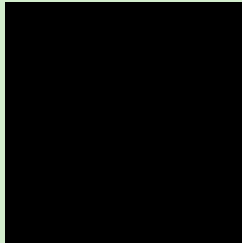
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

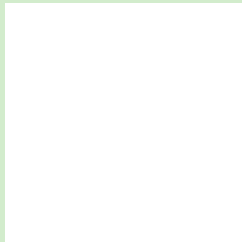
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0522, 0.3151, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 78.0522, 0.3151, 0.3645.

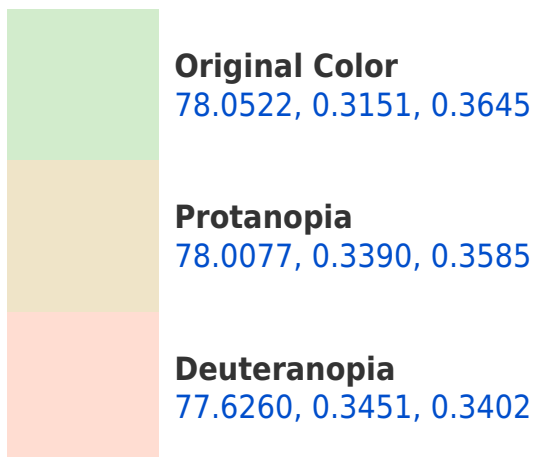


This preview shows how white text looks on a background with the Yxy color 78.0522, 0.3151, 0.3645.

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

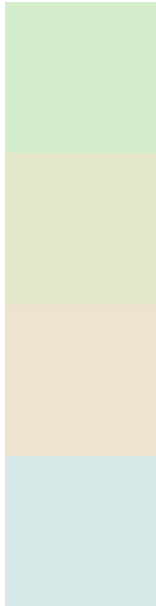




Tritanopia

78.1227, 0.2931, 0.3100

Trichromacy



Original Color

78.0522, 0.3151, 0.3645

Protanomaly

77.8629, 0.3300, 0.3613

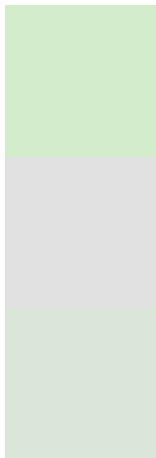
Deuteranomaly

77.2975, 0.3339, 0.3479

Tritanomaly

77.8356, 0.3007, 0.3290

Monochromacy



Original Color

78.0522, 0.3151, 0.3645

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.2640, 0.3142, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0522, 0.3151, 0.3645 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(210, 236, 204)` looks like.

```
.text, #text, p{  
    color:rgb(210, 236, 204)  
}
```

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(210, 236, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 236, 204) }
```

Border

The CSS property to change the border of an element to Yxy 78.0522, 0.3151, 0.3645 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(210, 236, 204) }
```

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

```
.border{ border-color:rgb(210, 236, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 236, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 236, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 236, 204);  
box-shadow:4px 4px 4px 4px rgb(210, 236,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0522, 0.3151, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 236, 204) }
```

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

```
.background{ background-color: rgb(210,  
236, 204) }
```

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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