

Converting Colors

$Yxy(77.8549, 0.3059, 0.3545)$

Have a look what the booklet for
Yxy(77.8549, 0.3059, 0.3545)
contains.

Yxy(77.7741, 0.3062, 0.3545)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.7741, 0.3062, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	CDECD5
RGB	205, 236, 213
RGB Percent	80%, 93%, 84%
CMY	0.1962, 0.0745, 0.1646
CMYK	0.13, 0.00, 0.10, 0.07
HSL	136°, 45%, 86%
HSV	136°, 13%, 93%
XYZ	67.1775, 77.7741, 74.4394
YIQ	224.1090, -11.0930, -13.7250

Conversions

Conversions Part 2

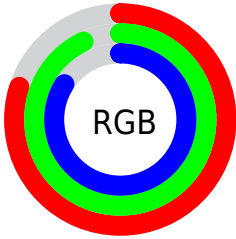
Format	Color
R_{YB}	205, 230, 236
Decimal	13495509
CIE _{Lab}	90.68, -14.43, 7.74
CIE _{LCh}	91, 16.375, 151.805
Yxy	77.7741, 0.3062, 0.3545
Android (android.graphics.Color)	4291685589 (0xFFCDECD5)
YUV	224.1090, -5.4767, -16.7586
Hunter-Lab	88.1896, -18.3614, 11.6871

Details

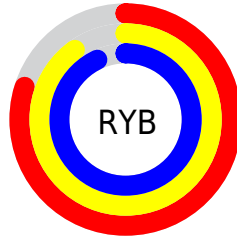
The Yxy color **77.7741, 0.3062, 0.3545** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0790, 0.3199, 0.3048**, and the grayscale version is **74.6678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6904, 0.3053, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **73.8309, 0.3013, 0.3767**, and if you desaturate by 10%, it is **82.3257, 0.3112, 0.3347**.

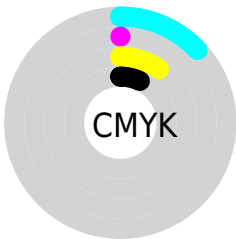
Distribution



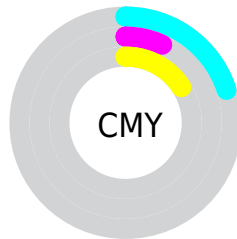
- Red (80%)
- Green (93%)
- Blue (84%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7741, 0.3062, 0.3545 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 77.7741, 0.3062, 0.3545 by changing the saturation by 10% instead.

■ 77.7741, 0.3062,
0.3545

■ 77.7741, 0.3062,
0.3545

487.3993, 0.3093,
0.3426

■ 57.8884, 0.3055,
0.3572

130.2316, 0.3073,
0.3504

■ 41.7190, 0.3046,
0.3606

163.5723, 0.3077,
0.3488

■ 28.8813, 0.3034,
0.3650

202.1667, 0.3081,
0.3474

■ 18.9910, 0.3019,
0.3707

246.3993, 0.3084,
0.3462

■ 11.6638, 0.2997,
0.3785

296.6545, 0.3086,
0.3451

■ 6.5152, 0.2965,
0.3900

353.3166, 0.3089,

■ 3.1608, 0.2912,

0.3442

0.4083

416.7701, 0.3091,
0.3434

■ 1.2163, 0.2821,
0.4450

■ 0.0749, 0.0000,
1.0000

■ 77.7741, 0.3062,
0.3545

■ 77.7741, 0.3062,
0.3545

■ 73.8309, 0.3013,
0.3767

■ 82.3257, 0.3112,
0.3347

■ 70.4606, 0.2967,
0.4013

■ 87.4999, 0.3161,
0.3173

■ 67.6389, 0.2927,
0.4280

■ 88.4778, 0.3136,
0.3107

■ 65.3363, 0.2894,
0.4560

■ 63.5199, 0.2874,
0.4845

■ 62.1533, 0.2867,
0.5122

■ 61.1947, 0.2876,
0.5375

■ 60.5938, 0.2899,
0.5589

■ 60.3380, 0.2920,
0.5710

Harmonies

Analogous

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



77.7741, 0.3256, 0.3626



77.7741, 0.3062, 0.3545



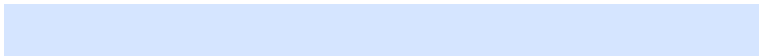
77.7741, 0.2889, 0.3389

Triad

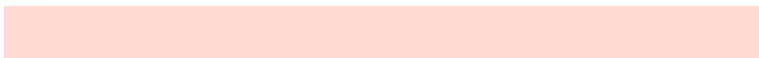
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7741, 0.3062, 0.3545



77.7741, 0.2838, 0.2976



77.7741, 0.3486, 0.3353

Complementary

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



77.7741, 0.3062, 0.3545



67.0790, 0.3199, 0.3048

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.



77.7741, 0.3367, 0.3189



77.7741, 0.3062, 0.3545



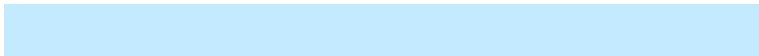
77.7741, 0.2991, 0.2976

Square

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



77.7741, 0.3062, 0.3545



77.7741, 0.2763, 0.3059



77.7741, 0.3184, 0.3054



77.7741, 0.3505, 0.3507

Rectangle

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



77.7741, 0.3062, 0.3545



77.7741, 0.2808, 0.3268



77.7741, 0.3184, 0.3054



77.7741, 0.3456, 0.3298

Sweetspot

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



77.7774, 0.3062, 0.3545



97.6397, 0.3107, 0.3363



80.9388, 0.3270, 0.3621



20.8068, 0.3104, 0.3378



0.0000, 0.0000, 0.0000



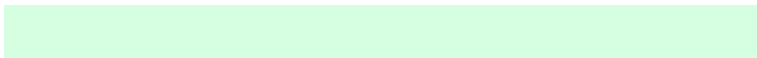
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7774, 0.3062, 0.3545



91.2714, 0.3048, 0.3607



78.5872, 0.2971, 0.3374



16.9264, 0.3080, 0.3469



33.2735, 0.2912, 0.5684



2.6281, 0.2838, 0.5417

Inverse Universe

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



67.0790, 0.3199, 0.3048



76.0106, 0.3217, 0.2992



66.2707, 0.3310, 0.3207



15.2431, 0.3178, 0.3117



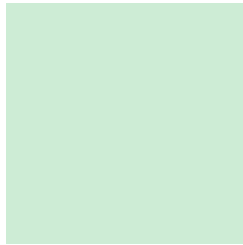
11.5518, 0.3996, 0.1975



0.9227, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 77.7741, 0.3062, 0.3545 looks on a white background.

Color Contrast Check

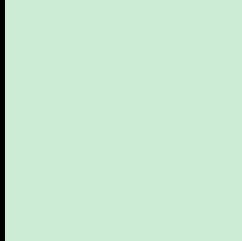
Large Text (above 18pt) WCAG AA × Fail

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 77.7741, 0.3062, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

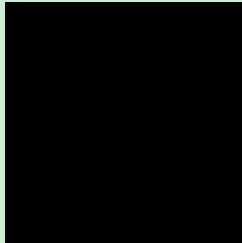
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

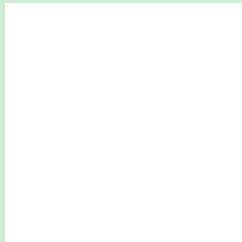
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7741, 0.3062, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 77.7741, 0.3062, 0.3545.

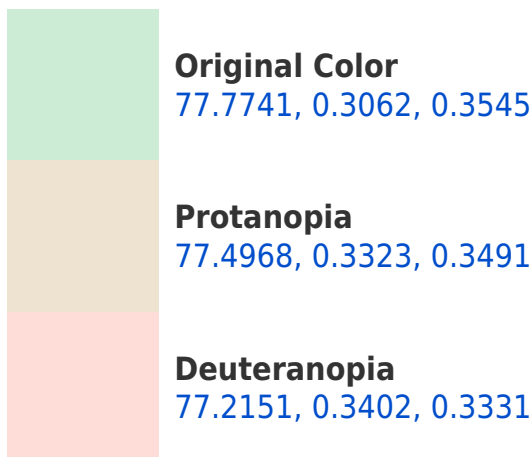


This preview shows how white text looks on a background with the Yxy color 77.7741, 0.3062, 0.3545.

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

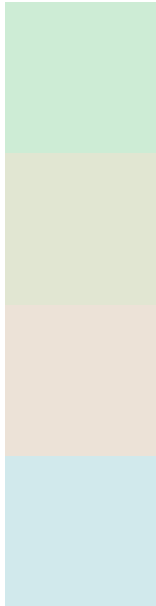




Tritanopia

77.8403, 0.2888, 0.3099

Trichromacy



Original Color

77.7741, 0.3062, 0.3545

Protanomaly

77.2543, 0.3221, 0.3506

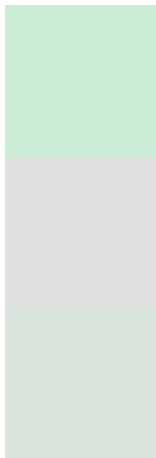
Deuteranomaly

77.1319, 0.3270, 0.3406

Tritanomaly

77.8893, 0.2951, 0.3257

Monochromacy



Original Color

77.7741, 0.3062, 0.3545

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4058, 0.3102, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7741, 0.3062, 0.3545 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(205, 236, 213)` looks like.

```
.text, #text, p{  
    color:rgb(205, 236, 213)  
}
```

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(205, 236, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 236, 213) }
```

Border

The CSS property to change the border of an element to Yxy 77.7741, 0.3062, 0.3545 is called "border". The border property can be set on classes, ids or directly on the HTML element.

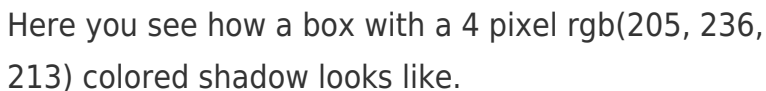
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 236, 213) }
```

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

```
.border{ border-color:rgb(205, 236, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 236, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 236, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 236, 213);  
box-shadow:4px 4px 4px 4px rgb(205, 236,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7741, 0.3062, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 236, 213) }
```

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

```
.background{ background-color: rgb(205,  
236, 213) }
```

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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