

Converting Colors

$Yxy(78.2548, 0.2989, 0.3512)$

Have a look what the booklet for
Yxy(78.2548, 0.2989, 0.3512)
contains.

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Color

Yxy(78.2168, 0.2987, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	C6EEDA
RGB	198, 238, 218
RGB Percent	78%, 93%, 85%
CMY	0.2238, 0.0666, 0.1451
CMYK	0.17, 0.00, 0.08, 0.07
HSL	150°, 54%, 85%
HSV	150°, 17%, 93%
XYZ	66.5054, 78.2168, 77.9274
YIQ	223.7600, -17.4200, -14.7000

Conversions

Conversions Part 2

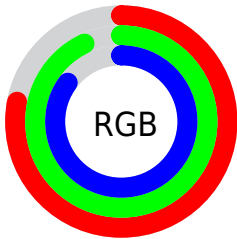
Format	Color
RYB	198, 225, 238
Decimal	13037274
CIELab	90.88, -16.79, 5.38
CIELCh	91, 17.633, 162.251
Yxy	78.2168, 0.2987, 0.3513
Android (android.graphics.Color)	4291227354 (0xFFC6EEDA)
YUV	223.7600, -2.8397, -22.5915
Hunter-Lab	88.4403, -20.5418, 9.6660

Details

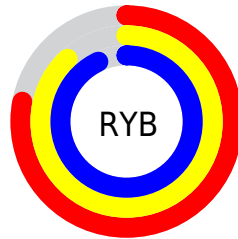
The Yxy color **78.2168, 0.2987, 0.3513** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5970, 0.3295, 0.3077**, and the grayscale version is **74.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0295, 0.2958, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **74.6372, 0.2908, 0.3666**, and if you desaturate by 10%, it is **82.3558, 0.3070, 0.3376**.

Distribution



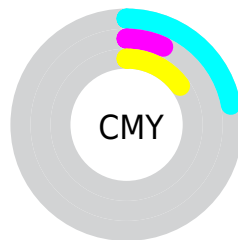
- Red (78%)
- Green (93%)
- Blue (85%)



- Red (78%)
- Yellow (88%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2168, 0.2987, 0.3513 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 78.2168, 0.2987, 0.3513 by changing the saturation by 10% instead.

■ 78.2168, 0.2987,
0.3513

■ 78.2168, 0.2987,
0.3513

488.9028, 0.3052,
0.3409

■ 58.2521, 0.2972,
0.3537

130.8557, 0.3010,
0.3477

■ 42.0113, 0.2954,
0.3566

164.2987, 0.3018,
0.3463

■ 29.1102, 0.2931,
0.3604

203.0032, 0.3026,
0.3451

■ 19.1642, 0.2900,
0.3653

247.3537, 0.3032,
0.3440

■ 11.7890, 0.2858,
0.3721

297.7345, 0.3038,
0.3431

■ 6.6002, 0.2798,
0.3819

354.5300, 0.3043,

■ 3.2133, 0.2703,

0.3423

0.3976

418.1246, 0.3048,
0.3416

1.2441, 0.2521,
0.4269

0.0973, 0.0000,
1.0000

78.2168, 0.2987,
0.3513

78.2168, 0.2987,
0.3513

74.6372, 0.2908,
0.3666

82.3558, 0.3070,
0.3376

71.5824, 0.2837,
0.3833


87.0673, 0.3154,
0.3253

69.0293, 0.2775,
0.4013


89.5546, 0.3143,
0.3140


66.9490, 0.2727,
0.4203


89.6410, 0.3135,
0.3127

 65.3094, 0.2696,
0.4399

 64.0745, 0.2684,
0.4598

 63.2021, 0.2693,
0.4791

 62.6386, 0.2720,
0.4975

 62.4979, 0.2731,
0.5031

Harmonies

Analogous

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



78.2168, 0.3193, 0.3633



78.2168, 0.2987, 0.3513



78.2168, 0.2822, 0.3329

Triad

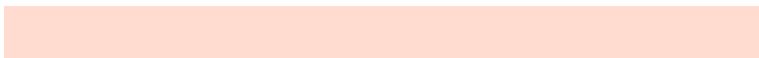
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2168, 0.2987, 0.3513



78.2168, 0.2866, 0.2943



78.2168, 0.3533, 0.3418

Complementary

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



78.2168, 0.2987, 0.3513



63.5970, 0.3295, 0.3077

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.



78.2168, 0.3440, 0.3241



78.2168, 0.2987, 0.3513



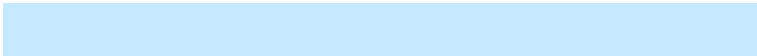
78.2168, 0.3050, 0.2974

Square

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



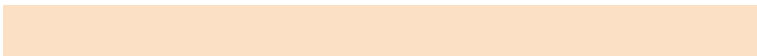
78.2168, 0.2987, 0.3513



78.2168, 0.2754, 0.3001



78.2168, 0.3261, 0.3082



78.2168, 0.3513, 0.3569

Rectangle

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



78.2168, 0.2987, 0.3513



78.2168, 0.2755, 0.3200



78.2168, 0.3261, 0.3082



78.2168, 0.3514, 0.3360

Sweetspot

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



78.2201, 0.2987, 0.3513



97.2583, 0.3085, 0.3352



80.1369, 0.3241, 0.3727



20.7378, 0.3079, 0.3361



0.0000, 0.0000, 0.0000



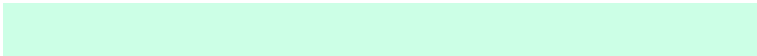
21.4041, 0.3127, 0.3290

Same Dimension

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



78.2201, 0.2987, 0.3513



90.0449, 0.2961, 0.3561



79.3319, 0.2873, 0.3289



17.7885, 0.3048, 0.3410



34.8869, 0.2723, 0.5004



2.9224, 0.2657, 0.4763

Inverse Universe

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



63.5970, 0.3295, 0.3077



70.1285, 0.3333, 0.3034



62.6121, 0.3450, 0.3291



15.8905, 0.3215, 0.3173



10.9076, 0.4962, 0.2507



0.9275, 0.4669, 0.2346

Previews

White Background



This preview shows how the Yxy color 78.2168, 0.2987, 0.3513 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 78.2168, 0.2987, 0.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

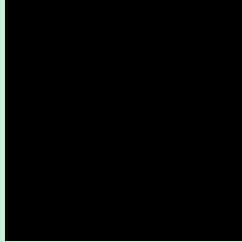
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

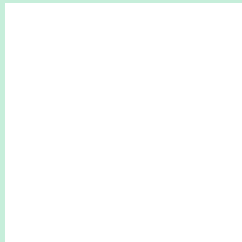
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2168, 0.2987, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 78.2168, 0.2987, 0.3513.

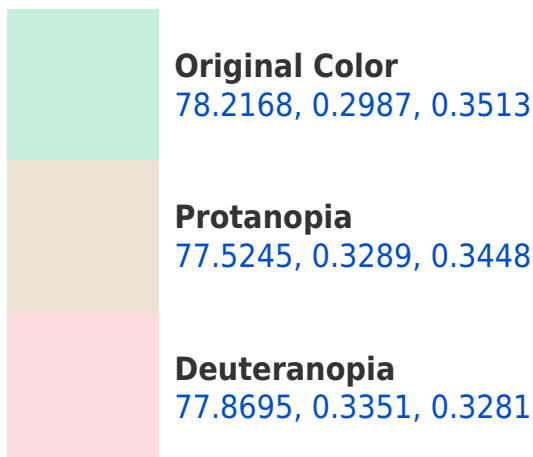


This preview shows how white text looks on a background with the Yxy color 78.2168, 0.2987, 0.3513.

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

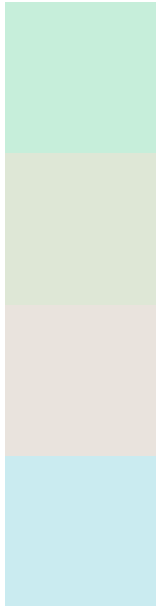




Tritanopia

78.1435, 0.2829, 0.3087

Trichromacy



Original Color

78.2168, 0.2987, 0.3513

Protanomaly

77.5365, 0.3173, 0.3473

Deuteranomaly

77.4823, 0.3208, 0.3353

Tritanomaly

78.2645, 0.2885, 0.3235

Monochromacy



Original Color

78.2168, 0.2987, 0.3513

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.7596, 0.3076, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2168, 0.2987, 0.3513 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(198, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(198, 238, 218)  
}
```

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(198, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 238, 218) }
```

Border

The CSS property to change the border of an element to Yxy 78.2168, 0.2987, 0.3513 is called "border". The border property can be set on classes, ids or directly on the HTML element.

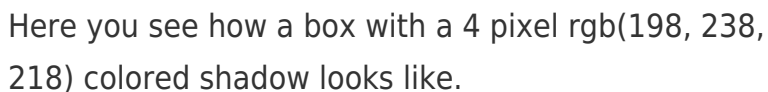
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 238, 218) }
```

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

```
.border{ border-color:rgb(198, 238, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 238, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 238, 218); box-shadow:4px 4px 4px 4px rgb(198, 238, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2168, 0.2987, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 238, 218) }
```

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

```
.background{ background-color: rgb(198,  
238, 218) }
```

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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