

Converting Colors

$Yxy(77.0512, 0.2864, 0.3254)$

Have a look what the booklet for
Yxy(77.0512, 0.2864, 0.3254)
contains.

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Color

Yxy(76.7544, 0.2859, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	C4EAEE
RGB	196, 234, 238
RGB Percent	77%, 92%, 93%
CMY	0.2313, 0.0824, 0.0666
CMYK	0.18, 0.02, 0.00, 0.07
HSL	186°, 55%, 85%
HSV	186°, 18%, 93%
XYZ	67.6243, 76.7544, 92.1526
YIQ	223.0940, -23.9320, -6.8120

Conversions

Conversions Part 2

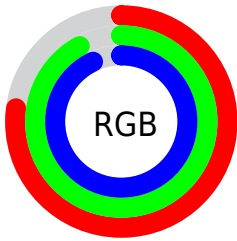
Format	Color
R _Y B	196, 216, 238
Decimal	12905198
CIE Lab	90.21, -11.43, -6.06
CIE LCh	90, 12.938, 207.949
Yxy	76.7544, 0.2859, 0.3245
Android (android.graphics.Color)	4291095278 (0xFFC4EAEE)
YUV	223.0940, 7.3487, -23.7614
Hunter-Lab	87.6096, -15.5358, -1.0378

Details

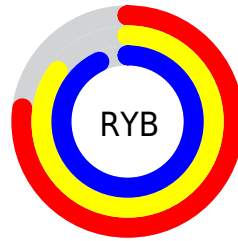
The Yxy color **76.7544, 0.2859, 0.3245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4890, 0.3461, 0.3335**, and the grayscale version is **73.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **40.9690, 0.2802, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **72.5267, 0.2718, 0.3217**, and if you desaturate by 10%, it is **81.5114, 0.3009, 0.3271**.

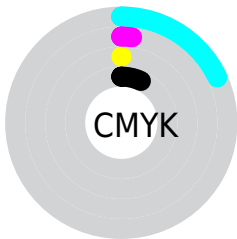
Distribution



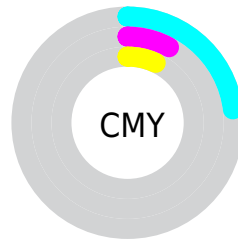
- Red (77%)
- Green (92%)
- Blue (93%)



- Red (77%)
- Yellow (85%)
- Blue (93%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (23%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7544, 0.2859, 0.3245 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 76.7544, 0.2859, 0.3245 by changing the saturation by 10% instead.

■ 76.7544, 0.2859,
0.3245

■ 76.7544, 0.2859,
0.3245

■ 483.9262, 0.2981,
0.3267

■ 57.0513, 0.2832,
0.3240

■ 128.7927, 0.2901,
0.3253

■ 41.0464, 0.2798,
0.3233

■ 161.8968, 0.2917,
0.3256

■ 28.3554, 0.2756,
0.3224

■ 200.2366, 0.2932,
0.3258

■ 18.5937, 0.2701,
0.3213

■ 244.1966, 0.2944,
0.3261

■ 11.3771, 0.2628,
0.3196

■ 294.1612, 0.2955,
0.3263

■ 6.3211, 0.2525,
0.3172

■ 350.5147, 0.2965,

■ 3.0413, 0.2368,

0.3264

0.3130

413.6416, 0.2973,
0.3266

■ 1.1533, 0.2103,
0.3051

■ 0.0231, 0.0000,
0.0489

■ 76.7544, 0.2859,
0.3245

■ 76.7544, 0.2859,
0.3245

■ 72.5267, 0.2718,
0.3217

■ 81.5114, 0.3009,
0.3271

■ 68.7949, 0.2588,
0.3186

■ 86.8106, 0.3164,
0.3295

■ 65.5364, 0.2472,
0.3155

■ 90.2442, 0.3238,
0.3318

■ 62.7231, 0.2373,
0.3122

■ 91.5991, 0.3236,
0.3340

60.3236, 0.2293,
0.3089

92.9710, 0.3234,
0.3362

58.3024, 0.2232,
0.3056

94.3598, 0.3232,
0.3384

56.6178, 0.2191,
0.3022

95.7656, 0.3230,
0.3406

55.2137, 0.2166,
0.2990

97.1885, 0.3228,
0.3427

54.9040, 0.2162,
0.2982

98.6286, 0.3227,
0.3449

Harmonies

Analogous

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



76.7544, 0.2954, 0.3387



76.7544, 0.2859, 0.3245



76.7544, 0.2834, 0.3120

Triad

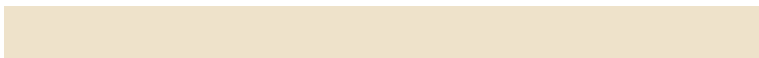
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7544, 0.2859, 0.3245



76.7544, 0.3153, 0.3090



76.7544, 0.3372, 0.3537

Complementary

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



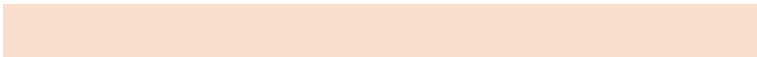
76.7544, 0.2859, 0.3245



63.4890, 0.3461, 0.3335

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.



76.7544, 0.3429, 0.3450



76.7544, 0.2859, 0.3245



76.7544, 0.3301, 0.3194

Square

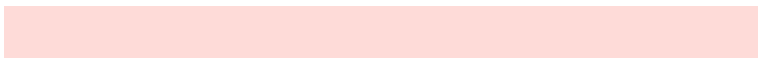
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7544, 0.2859, 0.3245



76.7544, 0.3001, 0.3035



76.7544, 0.3403, 0.3325



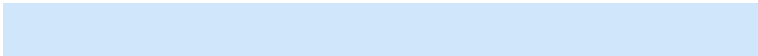
76.7544, 0.3249, 0.3558

Rectangle

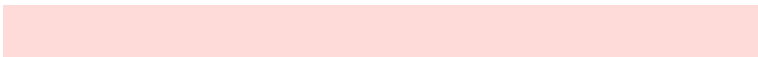
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7544, 0.2859, 0.3245



76.7544, 0.2861, 0.3064



76.7544, 0.3403, 0.3325



76.7544, 0.3399, 0.3514

Sweetspot

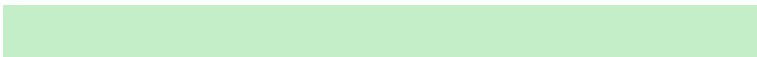
The Sweet Spot groups the original color and five complimentary colors.



76.7576, 0.2859, 0.3245



96.8859, 0.3049, 0.3278



77.0445, 0.3084, 0.3729



20.6467, 0.3038, 0.3276



0.0000, 0.0000, 0.0000



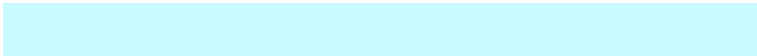
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7576, 0.2859, 0.3245



87.9956, 0.2809, 0.3236



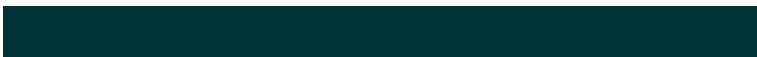
65.7596, 0.2847, 0.3014



17.6553, 0.2981, 0.3267



30.7308, 0.2163, 0.2987



2.6310, 0.2175, 0.3030

Inverse Universe

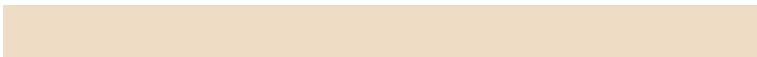
The Inverse Universe completely reimagines the original color for something new.



63.6064, 0.3177, 0.2892



70.1379, 0.3188, 0.2813



73.6240, 0.3423, 0.3552



16.0038, 0.3153, 0.3079



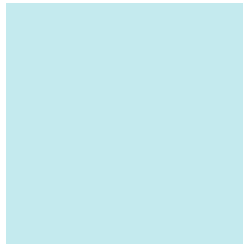
12.8956, 0.3465, 0.1683



1.0803, 0.3427, 0.1662

Previews

White Background



This preview shows how the Yxy color 76.7544, 0.2859, 0.3245 looks on a white background.

Color Contrast Check

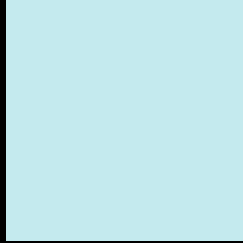
Large Text (above 18pt) WCAG AA × Fail

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 76.7544, 0.2859, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

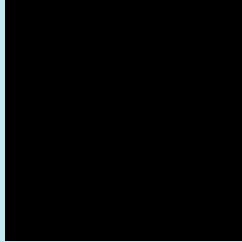
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7544, 0.2859, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 76.7544, 0.2859, 0.3245.

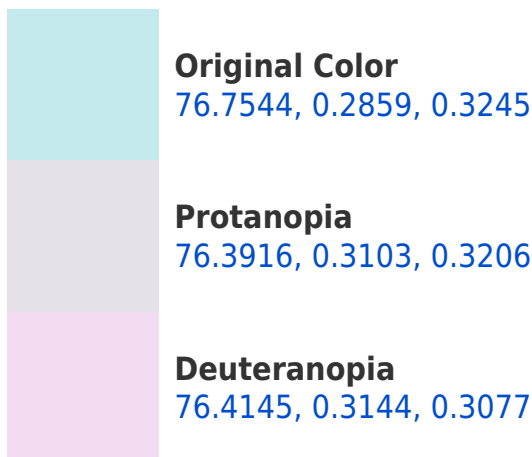


This preview shows how white text looks on a background with the Yxy color 76.7544, 0.2859, 0.3245.

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

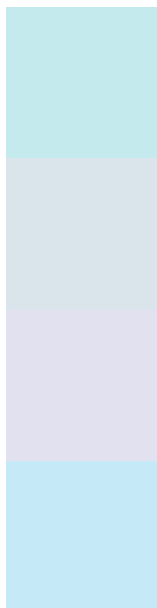




Tritanopia

76.6840, 0.2797, 0.3084

Trichromacy



Original Color

76.7544, 0.2859, 0.3245

Protanomaly

76.2367, 0.3009, 0.3215

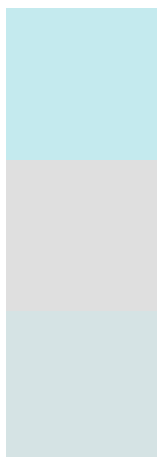
Deuteranomaly

76.1492, 0.3032, 0.3132

Tritanomaly

76.8020, 0.2820, 0.3148

Monochromacy



Original Color

76.7544, 0.2859, 0.3245

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6857, 0.3025, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7544, 0.2859, 0.3245 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(196, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(196, 234, 238)  
}
```

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(196, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 234, 238) }
```

Border

The CSS property to change the border of an element to Yxy 76.7544, 0.2859, 0.3245 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(196, 234, 238) }
```

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

```
.border{ border-color:rgb(196, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(196, 234,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7544, 0.2859, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 234, 238) }
```

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

```
.background{ background-color: rgb(196,  
234, 238) }
```

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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