

Converting Colors

$Yxy(76.3034, 0.2961, 0.3389)$

Have a look what the booklet for
Yxy(76.3034, 0.2961, 0.3389)
contains.

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Color

Yxy(76.5612, 0.2959, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	C8EAE1
RGB	200, 234, 225
RGB Percent	78%, 92%, 88%
CMY	0.2154, 0.0824, 0.1176
CMYK	0.14, 0.00, 0.04, 0.08
HSL	164°, 45%, 85%
HSV	164°, 14%, 92%
XYZ	66.8470, 76.5612, 82.5027
YIQ	222.8080, -17.3750, -10.0070

Conversions

Conversions Part 2

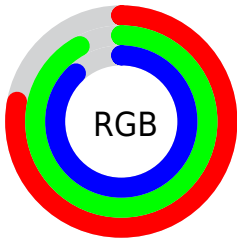
Format	Color
R _Y B	200, 220, 234
Decimal	13167329
CIE Lab	90.12, -12.76, 0.63
CIE LCh	90, 12.777, 177.169
Yxy	76.5612, 0.2959, 0.3389
Android (android.graphics.Color)	4291357409 (0xFFC8EAE1)
YUV	222.8080, 1.0807, -20.0026
Hunter-Lab	87.4993, -16.7546, 5.3452

Details

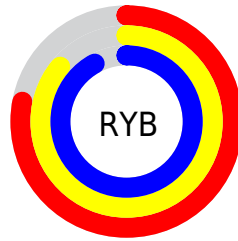
The Yxy color **76.5612, 0.2959, 0.3389** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4331, 0.3328, 0.3193**, and the grayscale version is **73.6598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8541, 0.2920, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **73.2525, 0.2850, 0.3466**, and if you desaturate by 10%, it is **80.3816, 0.3074, 0.3319**.

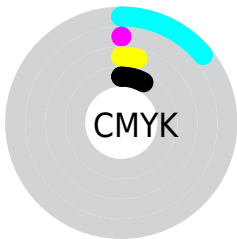
Distribution



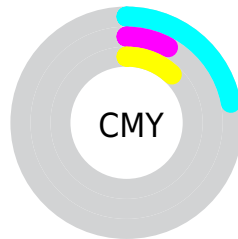
- Red (78%)
- Green (92%)
- Blue (88%)



- Red (78%)
- Yellow (86%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)





- Cyan (22%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5612, 0.2959, 0.3389 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 76.5612, 0.2959, 0.3389 by changing the saturation by 10% instead.


 76.5612, 0.2959,
0.3389

 76.5612, 0.2959,
0.3389


483.2666, 0.3036,
0.3344

 56.8928, 0.2942,
0.3399


128.5199, 0.2986,
0.3373

 40.9192, 0.2920,
0.3412


161.5790, 0.2996,
0.3367

 28.2559, 0.2893,
0.3428


199.8704, 0.3005,
0.3362

 18.5187, 0.2857,
0.3449

243.7786, 0.3013,
0.3357

 11.3230, 0.2809,
0.3478

293.6879, 0.3020,
0.3353

 6.2845, 0.2741,
0.3519

349.9827, 0.3026,

 3.0189, 0.2634,

0.3350

413.0475, 0.3031,
0.3346

0.3582

1.1416, 0.2441,
0.3699

0.0132, 0.0000,
1.0000

76.5612, 0.2959,
0.3389

76.5612, 0.2959,
0.3389

73.2525, 0.2850,
0.3466

80.3816, 0.3074,
0.3319

70.4235, 0.2750,
0.3549

84.7251, 0.3193,
0.3256

68.0532, 0.2662,
0.3638

86.6049, 0.3209,
0.3197

66.1152, 0.2590,
0.3732

86.9861, 0.3169,
0.3137

■ 64.5805, 0.2535,
0.3830

■ 87.3190, 0.3137,
0.3087

■ 63.4165, 0.2499,
0.3929

■ 62.5851, 0.2483,
0.4030

■ 62.0401, 0.2487,
0.4129

■ 61.8229, 0.2495,
0.4183

Harmonies

Analogous

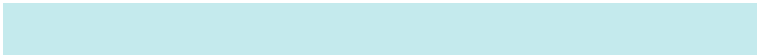
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5612, 0.3100, 0.3503



76.5612, 0.2959, 0.3389



76.5612, 0.2864, 0.3249

Triad

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



76.5612, 0.2959, 0.3389



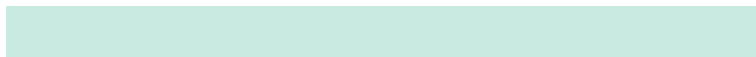
76.5612, 0.2999, 0.3038



76.5612, 0.3426, 0.3445

Complementary

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



76.5612, 0.2959, 0.3389



63.4331, 0.3328, 0.3193

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.



76.5612, 0.3398, 0.3321



76.5612, 0.2959, 0.3389



76.5612, 0.3149, 0.3090

Square

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



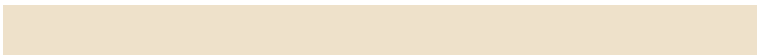
76.5612, 0.2959, 0.3389



76.5612, 0.2886, 0.3049



76.5612, 0.3295, 0.3192



76.5612, 0.3371, 0.3532

Rectangle

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



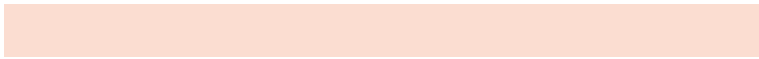
76.5612, 0.2959, 0.3389



76.5612, 0.2838, 0.3162



76.5612, 0.3295, 0.3192



76.5612, 0.3426, 0.3406

Sweetspot

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



76.5644, 0.2959, 0.3389



97.9441, 0.3080, 0.3316



76.5834, 0.3170, 0.3669



20.8838, 0.3071, 0.3321



0.0000, 0.0000, 0.0000



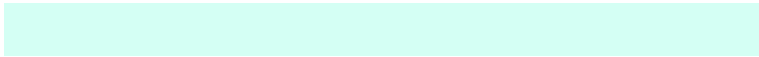
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5644, 0.2959, 0.3389



91.9689, 0.2930, 0.3408



72.6600, 0.2904, 0.3202



17.0499, 0.3016, 0.3353



34.7669, 0.2491, 0.4167



2.7458, 0.2453, 0.4030

Inverse Universe

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



63.4331, 0.3328, 0.3193



73.5057, 0.3371, 0.3175



66.7649, 0.3384, 0.3377



15.1194, 0.3251, 0.3228



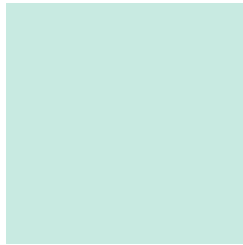
10.0420, 0.5881, 0.3013



0.8040, 0.5488, 0.2797

Previews

White Background



This preview shows how the Yxy color 76.5612, 0.2959, 0.3389 looks on a white background.

Color Contrast Check

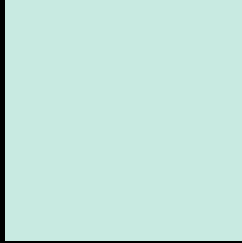
Large Text (above 18pt) WCAG AA × Fail

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 76.5612, 0.2959, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

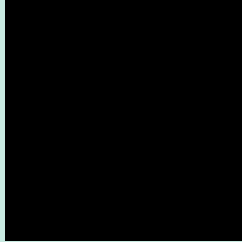
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

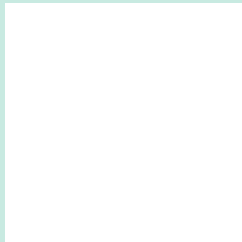
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5612, 0.2959, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 76.5612, 0.2959, 0.3389.

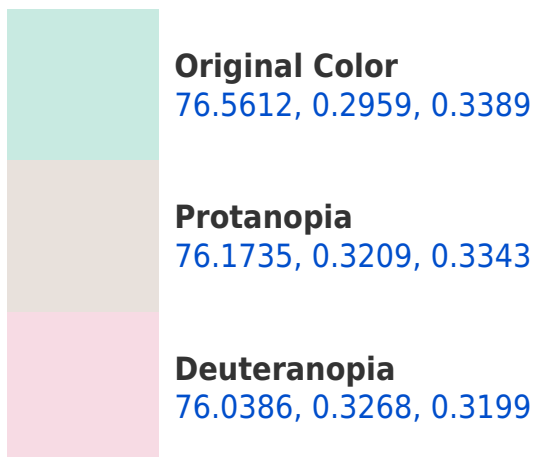


This preview shows how white text looks on a background with the Yxy color 76.5612, 0.2959, 0.3389.

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

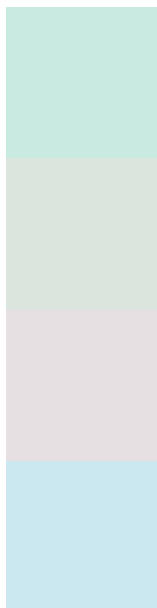




Tritanopia

76.2706, 0.2844, 0.3085

Trichromacy



Original Color

76.5612, 0.2959, 0.3389

Protanomaly

75.9764, 0.3110, 0.3355

Deuteranomaly

75.6804, 0.3150, 0.3258

Tritanomaly

76.1396, 0.2889, 0.3191

Monochromacy



Original Color

76.5612, 0.2959, 0.3389

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7671, 0.3064, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5612, 0.2959, 0.3389 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(200, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(200, 234, 225)  
}
```

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(200, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 234, 225) }
```

Border

The CSS property to change the border of an element to Yxy 76.5612, 0.2959, 0.3389 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(200, 234, 225) }
```

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

```
.border{ border-color:rgb(200, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(200, 234,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5612, 0.2959, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 234, 225) }
```

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

```
.background{ background-color: rgb(200,  
234, 225) }
```

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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