

Converting Colors

$Yxy(76.9034, 0.2972, 0.3451)$

Have a look what the booklet for
Yxy(76.9034, 0.2972, 0.3451)
contains.

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Color

Yxy(76.6429, 0.2970, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	C6EBDD
RGB	198, 235, 221
RGB Percent	78%, 92%, 87%
CMY	0.2233, 0.0785, 0.1334
CMYK	0.16, 0.00, 0.06, 0.08
HSL	157°, 48%, 85%
HSV	157°, 16%, 92%
XYZ	66.0561, 76.6429, 79.7122
YIQ	222.3410, -17.5580, -12.1980

Conversions

Conversions Part 2

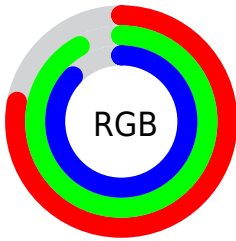
Format	Color
R _{YB}	198, 221, 235
Decimal	13036509
CIE Lab	90.16, -14.68, 2.78
CIE LCh	90, 14.944, 169.297
Yxy	76.6429, 0.2970, 0.3446
Android (android.graphics.Color)	4291226589 (0xFFC6EBDD)
YUV	222.3410, -0.6611, -21.3471
Hunter-Lab	87.5459, -18.5216, 7.2975

Details

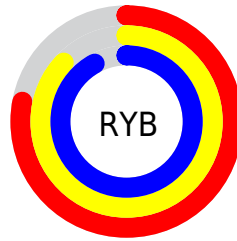
The Yxy color **76.6429, 0.2970, 0.3446** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8272, 0.3316, 0.3139**, and the grayscale version is **73.3216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9227, 0.2934, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **73.2334, 0.2876, 0.3559**, and if you desaturate by 10%, it is **80.5795, 0.3069, 0.3344**.

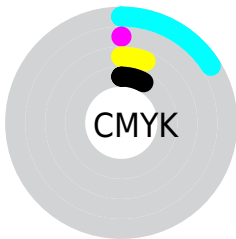
Distribution



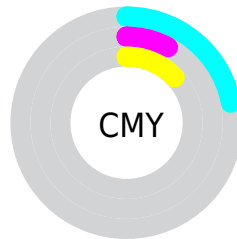
- Red (78%)
- Green (92%)
- Blue (87%)



- Red (78%)
- Yellow (87%)
- Blue (92%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)





- Cyan (22%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6429, 0.2970, 0.3446 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 76.6429, 0.2970, 0.3446 by changing the saturation by 10% instead.

 76.6429, 0.2970,
0.3446

 76.6429, 0.2970,
0.3446

483.5456, 0.3042,
0.3374

 56.9598, 0.2954,
0.3463

128.6353, 0.2995,
0.3421

 40.9730, 0.2933,
0.3483


161.7134, 0.3005,
0.3411

 28.2980, 0.2907,
0.3509

200.0253, 0.3013,
0.3403

 18.5504, 0.2874,
0.3543

243.9554, 0.3021,
0.3395

 11.3459, 0.2828,
0.3590

293.8881, 0.3027,
0.3389

 6.3000, 0.2762,
0.3658

350.2077, 0.3033,

 3.0283, 0.2659,

0.3383

413.2988, 0.3038,
0.3378

0.3765

1.1465, 0.2459,
0.3969

0.0174, 0.0000,
1.0000

76.6429, 0.2970,
0.3446

76.6429, 0.2970,
0.3446

73.2334, 0.2876,
0.3559

80.5795, 0.3069,
0.3344

70.3182, 0.2790,
0.3682

85.0551, 0.3171,
0.3252

67.8755, 0.2715,
0.3814

87.4332, 0.3182,
0.3167

65.8782, 0.2654,
0.3955

87.8938, 0.3136,
0.3097

■ 64.2963, 0.2611,
0.4100

■ 63.0958, 0.2587,
0.4249

■ 62.2374, 0.2584,
0.4397

■ 61.6725, 0.2601,
0.4542

■ 61.4871, 0.2612,
0.4603

Harmonies

Analogous

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



76.6429, 0.3142, 0.3564



76.6429, 0.2970, 0.3446



76.6429, 0.2842, 0.3284

Triad

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



76.6429, 0.2970, 0.3446



76.6429, 0.2937, 0.2992



76.6429, 0.3478, 0.3435

Complementary

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



76.6429, 0.2970, 0.3446



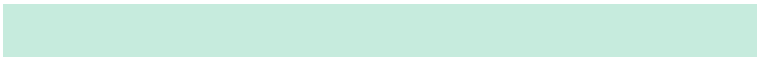
62.8272, 0.3316, 0.3139

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.



76.6429, 0.3420, 0.3285



76.6429, 0.2970, 0.3446



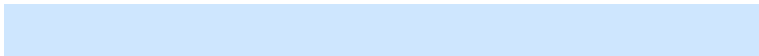
76.6429, 0.3104, 0.3035

Square

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



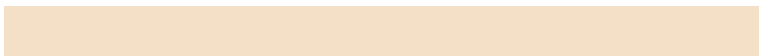
76.6429, 0.2970, 0.3446



76.6429, 0.2823, 0.3025



76.6429, 0.3282, 0.3141



76.6429, 0.3438, 0.3552

Rectangle

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



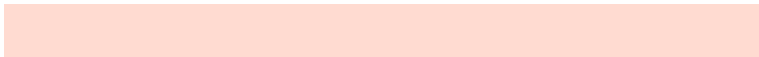
76.6429, 0.2970, 0.3446



76.6429, 0.2797, 0.3178



76.6429, 0.3282, 0.3141



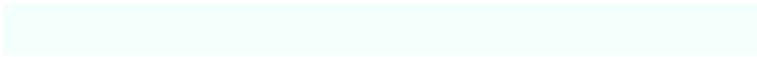
76.6429, 0.3469, 0.3387

Sweetspot

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



76.6461, 0.2970, 0.3446



97.3542, 0.3076, 0.3337



77.5216, 0.3203, 0.3700



20.7611, 0.3069, 0.3344



0.0000, 0.0000, 0.0000



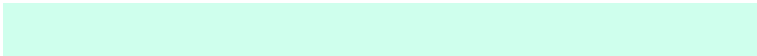
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6461, 0.2970, 0.3446



90.8140, 0.2938, 0.3483



74.9855, 0.2887, 0.3242



17.0195, 0.3032, 0.3381



34.2476, 0.2606, 0.4580



2.7079, 0.2550, 0.4381

Inverse Universe

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



62.8272, 0.3316, 0.3139



71.0993, 0.3364, 0.3105



64.1500, 0.3417, 0.3338



15.1485, 0.3233, 0.3201



10.2547, 0.5460, 0.2781



0.8234, 0.5084, 0.2574

Previews

White Background



This preview shows how the Yxy color 76.6429, 0.2970, 0.3446 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 76.6429, 0.2970, 0.3446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

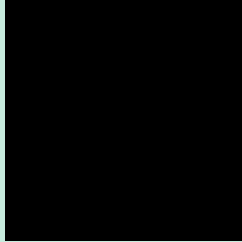
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

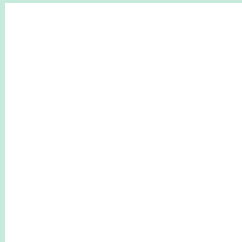
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6429, 0.2970, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 76.6429, 0.2970, 0.3446.

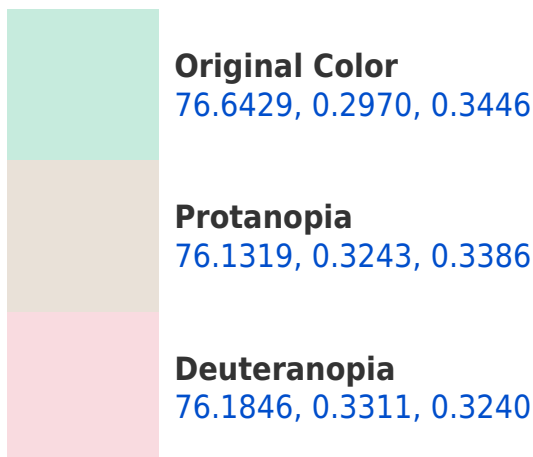


This preview shows how white text looks on a background with the Yxy color 76.6429, 0.2970, 0.3446.

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

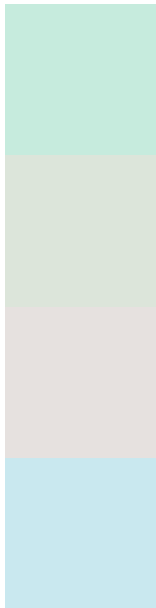




Tritanopia

76.6879, 0.2838, 0.3096

Trichromacy



Original Color

76.6429, 0.2970, 0.3446

Protanomaly

76.3162, 0.3135, 0.3409

Deuteranomaly

76.0011, 0.3175, 0.3311

Tritanomaly

76.3627, 0.2883, 0.3213

Monochromacy



Original Color

76.6429, 0.2970, 0.3446

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.3582, 0.3063, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6429, 0.2970, 0.3446 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, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(198, 235, 221)  
}
```

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, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 235, 221) }
```

Border

The CSS property to change the border of an element to Yxy 76.6429, 0.2970, 0.3446 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, 235, 221) }
```

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

```
.border{ border-color:rgb(198, 235, 221) }
```

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

Here you see how a box with a 4 pixel rgb(198, 235, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(198, 235,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6429, 0.2970, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 235, 221) }
```

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

```
.background{ background-color: rgb(198,  
235, 221) }
```

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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