

Converting Colors

$Yxy(78.4833, 0.2959, 0.3372)$

Have a look what the booklet for
Yxy(78.4833, 0.2959, 0.3372)
contains.

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Color

Yxy(78.3446, 0.2955, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	CBECE5
RGB	203, 236, 229
RGB Percent	80%, 93%, 90%
CMY	0.2037, 0.0745, 0.1019
CMYK	0.14, 0.00, 0.03, 0.07
HSL	167°, 46%, 86%
HSV	167°, 14%, 93%
XYZ	68.7785, 78.3446, 85.6298
YIQ	225.3350, -17.4210, -9.1730

Conversions

Conversions Part 2

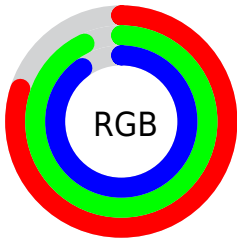
Format	Color
R _Y B	203, 221, 236
Decimal	13364453
CIE Lab	90.94, -12.04, -0.23
CIE LCh	91, 12.046, 181.115
Yxy	78.3446, 0.2955, 0.3366
Android (android.graphics.Color)	4291554533 (0xFFCBECE5)
YUV	225.3350, 1.8068, -19.5878
Hunter-Lab	88.5125, -16.1938, 4.5997

Details

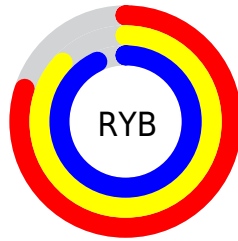
The Yxy color **78.3446, 0.2955, 0.3366** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2249, 0.3332, 0.3215**, and the grayscale version is **75.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0881, 0.2916, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **75.0062, 0.2839, 0.3427**, and if you desaturate by 10%, it is **82.2020, 0.3077, 0.3310**.

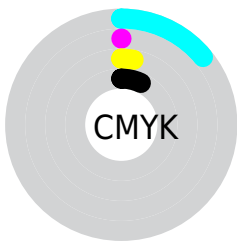
Distribution



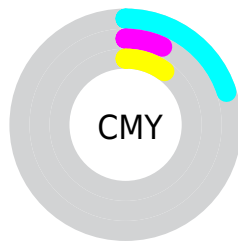
- Red (80%)
- Green (93%)
- Blue (90%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3446, 0.2955, 0.3366 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 78.3446, 0.2955, 0.3366 by changing the saturation by 10% instead.

78.3446, 0.2955,
0.3366

78.3446, 0.2955,
0.3366

489.3363, 0.3034,
0.3331

58.3571, 0.2937,
0.3374

131.0358, 0.2982,
0.3354

42.0958, 0.2916,
0.3383

164.5083, 0.2993,
0.3349

29.1763, 0.2888,
0.3395

203.2445, 0.3002,
0.3345

19.2142, 0.2853,
0.3411

247.6290, 0.3010,
0.3342

11.8252, 0.2805,
0.3432

298.0460, 0.3017,
0.3339

6.6248, 0.2737,
0.3461

354.8799, 0.3023,

3.2286, 0.2633,

0.3336

0.3507

418.5153, 0.3029,
0.3334

■ 1.2522, 0.2453,
0.3585

■ 0.1037, 0.0000,
0.4451

■ 78.3446, 0.2955,
0.3366

■ 78.3446, 0.2955,
0.3366

■ 75.0062, 0.2839,
0.3427

■ 82.2020, 0.3077,
0.3310

■ 72.1541, 0.2733,
0.3493


■ 86.5899, 0.3204,
0.3260


■ 69.7671, 0.2640,
0.3563


■ 87.7789, 0.3204,
0.3212

■ 67.8185, 0.2562,
0.3637


■ 88.0871, 0.3173,
0.3164

 66.2790, 0.2501,
0.3714


 88.4036, 0.3142,
0.3116

 65.1154, 0.2460,
0.3792

 88.4660, 0.3136,
0.3107

 64.2894, 0.2439,
0.3870

 63.7543, 0.2438,
0.3948

 63.5289, 0.2443,
0.3995

Harmonies

Analogous

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



78.3446, 0.3083, 0.3477



78.3446, 0.2955, 0.3366



78.3446, 0.2873, 0.3235

Triad

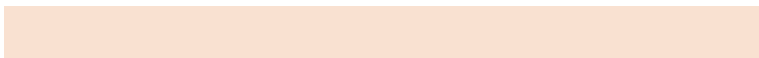
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3446, 0.2955, 0.3366



78.3446, 0.3025, 0.3057



78.3446, 0.3404, 0.3449

Complementary

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



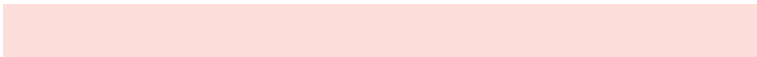
78.3446, 0.2955, 0.3366



65.2249, 0.3332, 0.3215

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.



78.3446, 0.3388, 0.3336



78.3446, 0.2955, 0.3366



78.3446, 0.3167, 0.3113

Square

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



78.3446, 0.2955, 0.3366



78.3446, 0.2913, 0.3060



78.3446, 0.3300, 0.3214



78.3446, 0.3344, 0.3523

Rectangle

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



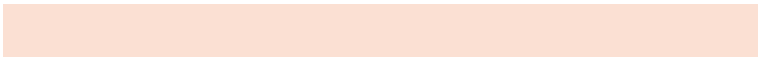
78.3446, 0.2955, 0.3366



78.3446, 0.2855, 0.3157



78.3446, 0.3300, 0.3214



78.3446, 0.3407, 0.3414

Sweetspot

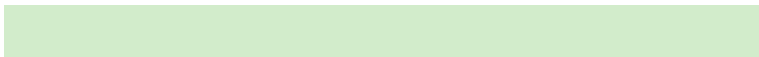
The Sweet Spot groups the original color and five complimentary colors.



78.3479, 0.2955, 0.3366



97.9780, 0.3077, 0.3311



78.0303, 0.3158, 0.3655



20.8924, 0.3067, 0.3315



0.0000, 0.0000, 0.0000



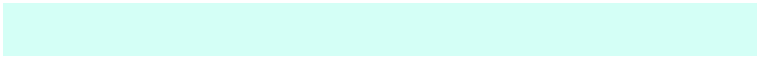
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3479, 0.2955, 0.3366



92.1071, 0.2918, 0.3384



73.5122, 0.2911, 0.3187



17.0640, 0.3009, 0.3340



35.0409, 0.2440, 0.3982



2.7652, 0.2410, 0.3875

Inverse Universe

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



65.2249, 0.3332, 0.3215



73.3842, 0.3387, 0.3198



69.4269, 0.3371, 0.3391



15.1063, 0.3260, 0.3240



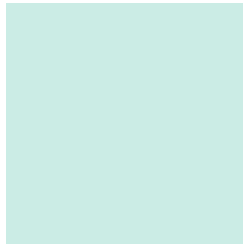
9.9723, 0.6039, 0.3100



0.7969, 0.5660, 0.2892

Previews

White Background



This preview shows how the Yxy color 78.3446, 0.2955, 0.3366 looks on a white background.

Color Contrast Check

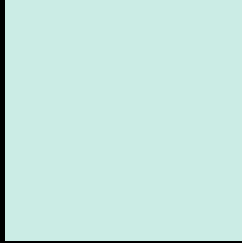
Large Text (above 18pt) WCAG AA × Fail

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 78.3446, 0.2955, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

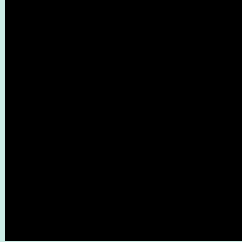
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

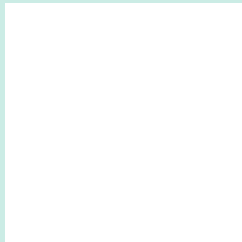
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3446, 0.2955, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 78.3446, 0.2955, 0.3366.

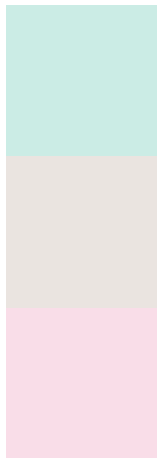


This preview shows how white text looks on a background with the Yxy color 78.3446, 0.2955, 0.3366.

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



Original Color

78.3446, 0.2955, 0.3366

Protanopia

78.3610, 0.3195, 0.3332

Deuteranopia

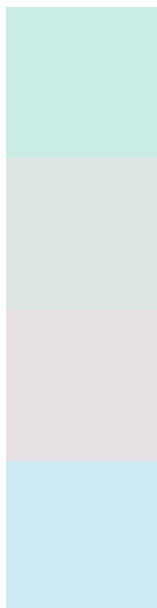
77.6788, 0.3254, 0.3179



Tritanopia

78.5083, 0.2853, 0.3098

Trichromacy



Original Color

78.3446, 0.2955, 0.3366

Protanomaly

78.3308, 0.3104, 0.3343

Deuteranomaly

77.3180, 0.3137, 0.3238

Tritanomaly

78.4385, 0.2892, 0.3193

Monochromacy



Original Color

78.3446, 0.2955, 0.3366

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.2813, 0.3064, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3446, 0.2955, 0.3366 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(203, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(203, 236, 229)  
}
```

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(203, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 229) }
```

Border

The CSS property to change the border of an element to Yxy 78.3446, 0.2955, 0.3366 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(203, 236, 229) }
```

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

```
.border{ border-color:rgb(203, 236, 229) }
```

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

Here you see how a box with a 4 pixel rgb(203, 236, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(203, 236,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3446, 0.2955, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 229) }
```

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

```
.background{ background-color: rgb(203,  
236, 229) }
```

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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