

Converting Colors

$Yxy(78.6827, 0.3255, 0.3741)$

Have a look what the booklet for
Yxy(78.6827, 0.3255, 0.3741)
contains.

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Color

Yxy(78.6827, 0.3255, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	D9ECC3
RGB	217, 236, 195
RGB Percent	85%, 93%, 76%
CMY	0.1489, 0.0745, 0.2355
CMYK	0.08, 0.00, 0.17, 0.07
HSL	88°, 52%, 85%
HSV	88°, 17%, 93%
XYZ	68.4609, 78.6827, 63.1817
YIQ	225.6450, 1.8370, -16.7790

Conversions

Conversions Part 2

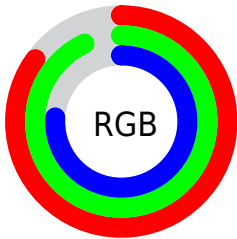
Format	Color
RYB	195, 236, 214
Decimal	14281923
CIELab	91.09, -13.40, 17.82
CIELCh	91, 22.296, 126.934
Yxy	78.6827, 0.3255, 0.3741
Android (android.graphics.Color)	4292472003 (0xFFD9ECC3)
YUV	225.6450, -15.1080, -7.5817
Hunter-Lab	88.7033, -17.4650, 19.8611

Details

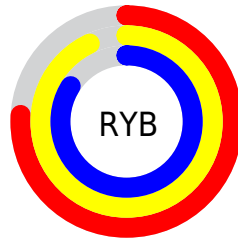
The Yxy color **78.6827, 0.3255, 0.3741** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.3544, 0.2980, 0.2837**, and the grayscale version is **75.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **42.2470, 0.3283, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **76.0838, 0.3326, 0.4025**, and if you desaturate by 10%, it is **81.5678, 0.3182, 0.3474**.

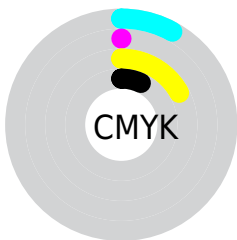
Distribution



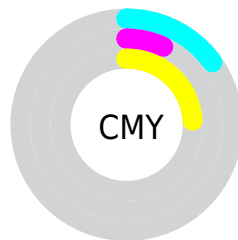
- Red (85%)
- Green (93%)
- Blue (76%)



- Red (76%)
- Yellow (93%)
- Blue (84%)



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




- Cyan (15%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6827, 0.3255, 0.3741 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 78.6827, 0.3255, 0.3741 by changing the saturation by 10% instead.


 78.6827, 0.3255,
0.3741

 78.6827, 0.3255,
0.3741


490.4823, 0.3199,
0.3530

 58.6350, 0.3267,
0.3790

131.5121, 0.3236,
0.3668

 42.3193, 0.3281,
0.3850


165.0625, 0.3229,
0.3639

 29.3514, 0.3298,
0.3926


203.8826, 0.3222,
0.3615

 19.3468, 0.3319,
0.4027

248.3568, 0.3217,
0.3593

 11.9212, 0.3346,
0.4164

298.8695, 0.3212,
0.3575

 6.6900, 0.3379,
0.4363

355.8050, 0.3207,

 3.2690, 0.3416,

0.3558

0.4674

419.5478, 0.3203,
0.3544

1.2737, 0.3810,
0.5778

0.1207, 0.0000,
1.0000

78.6827, 0.3255,
0.3741

78.6827, 0.3255,
0.3741

76.0838, 0.3326,
0.4025

81.5678, 0.3182,
0.3474

73.7509, 0.3390,
0.4320

84.7382, 0.3108,
0.3228

71.6765, 0.3444,
0.4616

87.4940, 0.3101,
0.3105

69.8492, 0.3482,
0.4900

88.4733, 0.3136,
0.3107

■ 68.2562, 0.3501,
0.5158

■ 66.8834, 0.3497,
0.5376

■ 65.7145, 0.3470,
0.5541

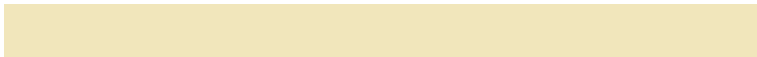
■ 64.7286, 0.3422,
0.5652

■ 64.4938, 0.3408,
0.5676

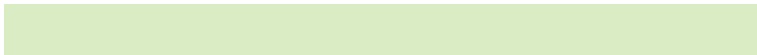
Harmonies

Analogous

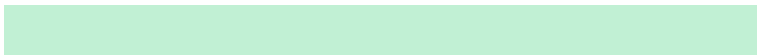
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6827, 0.3490, 0.3737



78.6827, 0.3255, 0.3741



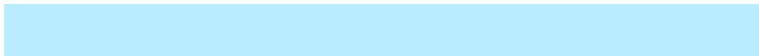
78.6827, 0.2993, 0.3609

Triad

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



78.6827, 0.3255, 0.3741



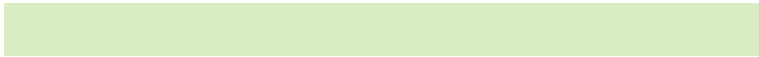
78.6827, 0.2647, 0.2949



78.6827, 0.3488, 0.3189

Complementary

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



78.6827, 0.3255, 0.3741



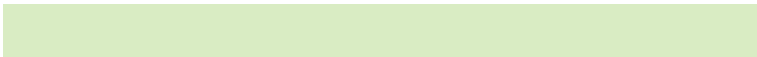
59.3544, 0.2980, 0.2837

Split Complementary

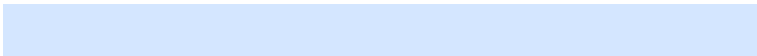
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6827, 0.3248, 0.3000



78.6827, 0.3255, 0.3741



78.6827, 0.2766, 0.2860

Square

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



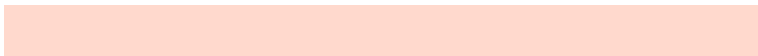
78.6827, 0.3255, 0.3741



78.6827, 0.2649, 0.3137



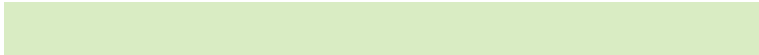
78.6827, 0.2984, 0.2881



78.6827, 0.3630, 0.3409

Rectangle

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



78.6827, 0.3255, 0.3741



78.6827, 0.2838, 0.3463



78.6827, 0.2984, 0.2881



78.6827, 0.3416, 0.3120

Sweetspot

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



78.6861, 0.3255, 0.3741



98.1045, 0.3164, 0.3414



69.5758, 0.3428, 0.3490



20.9429, 0.3169, 0.3432



0.0000, 0.0000, 0.0000



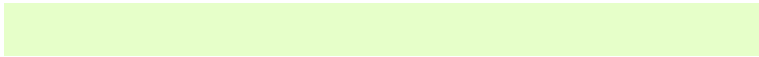
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6861, 0.3255, 0.3741



92.6197, 0.3282, 0.3844



75.8030, 0.3119, 0.3760



17.2608, 0.3197, 0.3528



35.6267, 0.3419, 0.5667



2.8547, 0.3520, 0.5587

Inverse Universe

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



59.3544, 0.2980, 0.2837



65.4074, 0.2944, 0.2732



62.5513, 0.3132, 0.2857



14.8903, 0.3052, 0.3052



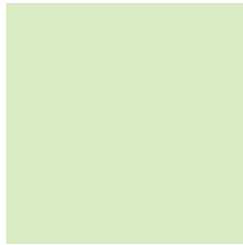
5.2110, 0.1954, 0.0850



0.4659, 0.2107, 0.0934

Previews

White Background



This preview shows how the Yxy color 78.6827, 0.3255, 0.3741 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 78.6827, 0.3255, 0.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

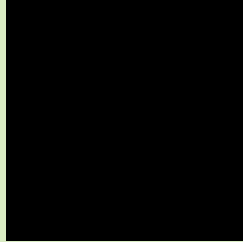
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

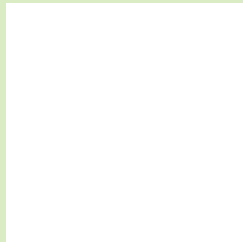
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6827, 0.3255, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 78.6827, 0.3255, 0.3741.

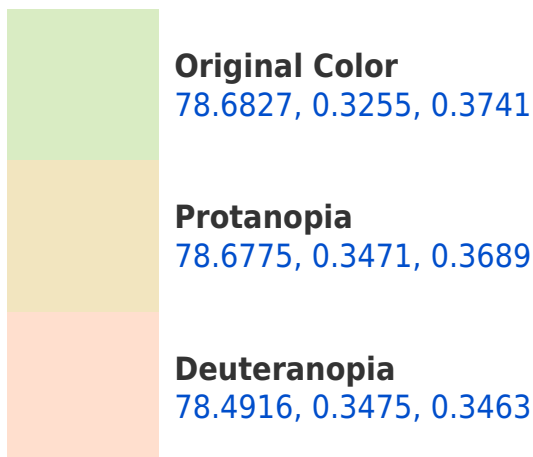


This preview shows how white text looks on a background with the Yxy color 78.6827, 0.3255, 0.3741.

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

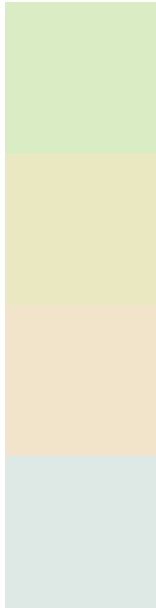




Tritanopia

78.7616, 0.2989, 0.3103

Trichromacy



Original Color

78.6827, 0.3255, 0.3741

Protanomaly

78.8426, 0.3393, 0.3717

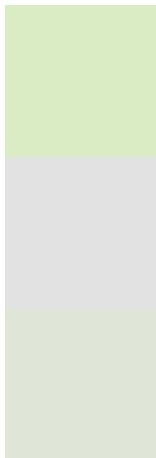
Deuteranomaly

78.4518, 0.3391, 0.3563

Tritanomaly

78.8443, 0.3085, 0.3332

Monochromacy



Original Color

78.6827, 0.3255, 0.3741

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.1879, 0.3175, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6827, 0.3255, 0.3741 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(217, 236, 195)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 195)  
}
```

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(217, 236, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 195) }
```

Border

The CSS property to change the border of an element to Yxy 78.6827, 0.3255, 0.3741 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(217, 236, 195) }
```

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

```
.border{ border-color:rgb(217, 236, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 236, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 236, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 236, 195); box-shadow:4px 4px 4px 4px rgb(217, 236, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6827, 0.3255, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 195) }
```

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

```
.background{ background-color: rgb(217,  
236, 195) }
```

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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