

Converting Colors

$Y_{xy}(92.7177, 0.3285, 0.3841)$

Have a look what the booklet for
Yxy(92.7177, 0.3285, 0.3841)
contains.

Yxy(92.7732, 0.3283, 0.3838)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(92.7732, 0.3283, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	E7FFCA
RGB	231, 255, 202
RGB Percent	91%, 100%, 79%
CMY	0.0944, 0.0000, 0.2079
CMYK	0.09, 0.00, 0.21, 0.00
HSL	87°, 100%, 90%
HSV	87°, 21%, 100%
XYZ	79.3576, 92.7732, 69.5920
YIQ	241.7820, 2.7090, -21.5710

Conversions

Conversions Part 2

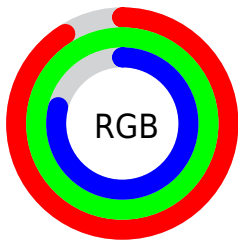
Format	Color
R_{YB}	202, 255, 226
Decimal	15204298
CIE _{Lab}	97.14, -16.83, 22.78
CIE _{LCh}	97, 28.328, 126.461
Yxy	92.7732, 0.3283, 0.3838
Android (android.graphics.Color)	4293394378 (0xFFE7FFCA)
YUV	241.7820, -19.6125, -9.4558
Hunter-Lab	96.3188, -21.4909, 24.5852

Details

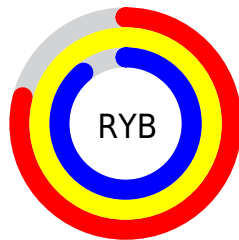
The Yxy color **92.7732, 0.3283, 0.3838** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.6325, 0.2943, 0.2738**, and the grayscale version is **88.7490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6402, 0.3310, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **89.7890, 0.3354, 0.4127**, and if you desaturate by 10%, it is **96.0604, 0.3208, 0.3564**.

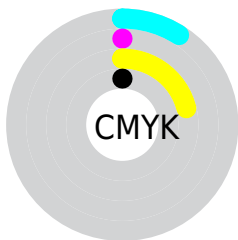
Distribution



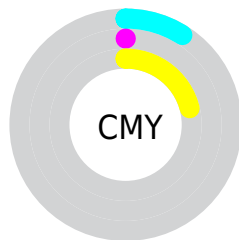
- Red (91%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.7732, 0.3283, 0.3838 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 92.7732, 0.3283, 0.3838 by changing the saturation by 10% instead.

 92.7732, 0.3283,
0.3838

 92.7732, 0.3283,
0.3838


537.0113, 0.3218,
0.3589

 70.2830, 0.3296,
0.3894


151.1846, 0.3262,
0.3752

 51.7573, 0.3312,
0.3962


187.8746, 0.3253,
0.3719

 36.8117, 0.3330,
0.4048


230.0666, 0.3246,
0.3690

 25.0617, 0.3352,
0.4158

278.1450, 0.3239,
0.3664

 16.1230, 0.3378,
0.4305

332.4944, 0.3233,
0.3642

 9.6113, 0.3409,
0.4509

393.4989, 0.3227,

 5.1420, 0.3440,

0.3622

0.4811

461.5431, 0.3222,
0.3605

■ 2.3308, 0.3517,
0.5390

■ 0.7899, 0.3008,
0.6992

■ 92.7732, 0.3283,
0.3838

■ 92.7732, 0.3283,
0.3838

■ 89.7890, 0.3354,
0.4127

■ 96.0604, 0.3208,
0.3564


■ 87.1315, 0.3416,
0.4424

■ 99.6981, 0.3133,
0.3309


■ 84.7757, 0.3467,
0.4717


■ 100.0000, 0.3127,
0.3290

■ 82.7072, 0.3500,
0.4993

 80.9104, 0.3512,
0.5237

 79.3674, 0.3500,
0.5436

 78.0575, 0.3466,
0.5580

 77.0286, 0.3418,
0.5668

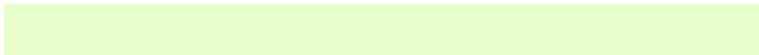
Harmonies

Analogous

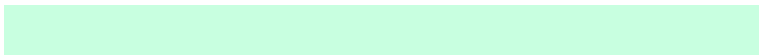
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7732, 0.3565, 0.3825



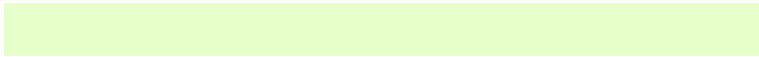
92.7732, 0.3283, 0.3838



92.7732, 0.2969, 0.3681

Triad

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



92.7732, 0.3283, 0.3838



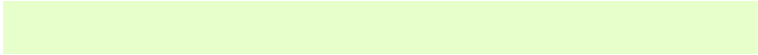
92.7732, 0.2553, 0.2882



92.7732, 0.3558, 0.3163

Complementary

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



92.7732, 0.3283, 0.3838



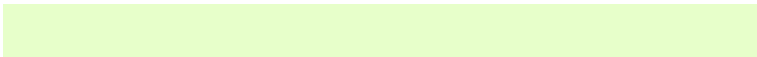
65.6325, 0.2943, 0.2738

Split Complementary

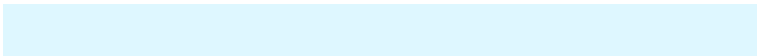
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7732, 0.3266, 0.2941



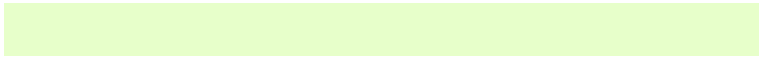
92.7732, 0.3283, 0.3838



92.7732, 0.2692, 0.2777

Square

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



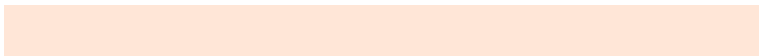
92.7732, 0.3283, 0.3838



92.7732, 0.2558, 0.3106



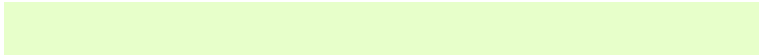
92.7732, 0.2949, 0.2802



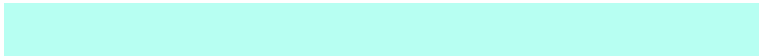
92.7732, 0.3732, 0.3424

Rectangle

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



92.7732, 0.3283, 0.3838



92.7732, 0.2784, 0.3503



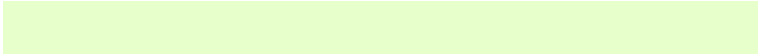
92.7732, 0.2949, 0.2802



92.7732, 0.3470, 0.3083

Sweetspot

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



92.7612, 0.3283, 0.3838



97.7597, 0.3172, 0.3439



79.8309, 0.3498, 0.3532



20.8740, 0.3177, 0.3456



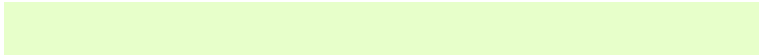
0.0000, 0.0000, 0.0000



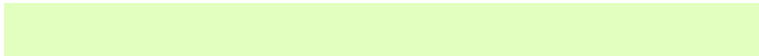
21.4041, 0.3127, 0.3290

Same Dimension

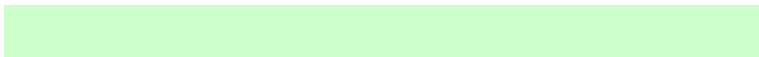
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7612, 0.3283, 0.3838



91.4706, 0.3313, 0.3958



88.7113, 0.3116, 0.3867



20.6568, 0.3199, 0.3530



40.3390, 0.3429, 0.5659



3.9926, 0.3511, 0.5594

Inverse Universe

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



65.6325, 0.2943, 0.2738



59.8365, 0.2898, 0.2615



70.2156, 0.3132, 0.2768



17.7816, 0.3050, 0.3049



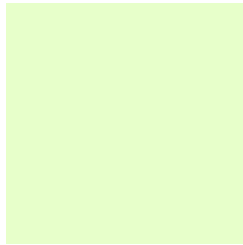
5.7906, 0.1935, 0.0839



0.6277, 0.2060, 0.0908

Previews

White Background



This preview shows how the Yxy color 92.7732, 0.3283, 0.3838 looks on a white background.

Color Contrast Check

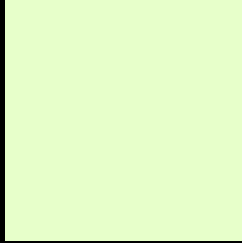
Large Text (above 18pt) WCAG AA × Fail

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 92.7732, 0.3283, 0.3838 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

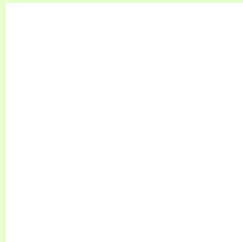
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.7732, 0.3283, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 92.7732, 0.3283, 0.3838.

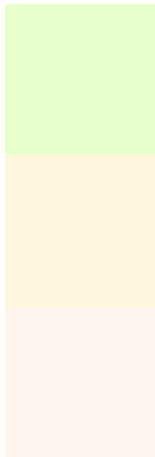


This preview shows how white text looks on a background with the Yxy color 92.7732, 0.3283, 0.3838.

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

92.7732, 0.3283, 0.3838

Protanopia

92.3920, 0.3339, 0.3536

Deuteranopia

92.7968, 0.3229, 0.3349

Tritanopia

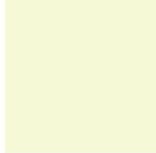
92.3646, 0.3062, 0.3202

Trichromacy



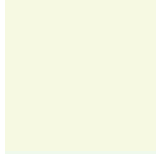
Original Color

92.7732, 0.3283, 0.3838



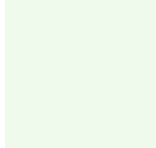
Protanomaly

92.1992, 0.3318, 0.3641



Deuteranomaly

92.8352, 0.3245, 0.3519



Tritanomaly

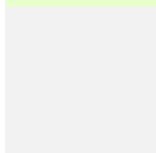
92.1582, 0.3140, 0.3420

Monochromacy



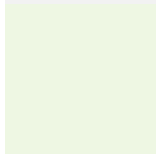
Original Color

92.7732, 0.3283, 0.3838



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.2447, 0.3189, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7732, 0.3283, 0.3838 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(231, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 202)  
}
```

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(231, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 92.7732, 0.3283, 0.3838 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(231, 255, 202) }
```

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

```
.border{ border-color:rgb(231, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7732, 0.3283, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 202) }
```

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

```
.background{ background-color: rgb(231,  
255, 202) }
```

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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