

Converting Colors

$Yxy(82.4234, 0.3324, 0.3595)$

Have a look what the booklet for
Yxy(82.4234, 0.3324, 0.3595)
contains.

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Color

Yxy(82.5004, 0.3318, 0.3593)

Conversions

Conversions Part 1

Format	Color
Hex	EDECCF
RGB	237, 236, 207
RGB Percent	93%, 93%, 81%
CMY	0.0705, 0.0745, 0.1883
CMYK	0.00, 0.00, 0.13, 0.07
HSL	58°, 46%, 87%
HSV	58°, 13%, 93%
XYZ	76.1860, 82.5004, 70.9278
YIQ	232.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

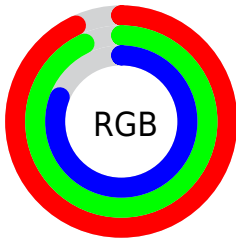
Format	Color
RYP	208, 237, 207
Decimal	15592655
CIELab	92.80, -4.48, 14.20
CIElCh	93, 14.896, 107.521
Yxy	82.5004, 0.3318, 0.3593
Android (android.graphics.Color)	4293782735 (0xFFEDECCE)
YUV	232.9930, -12.8145, 3.5141
Hunter-Lab	90.8297, -9.2301, 17.2820

Details

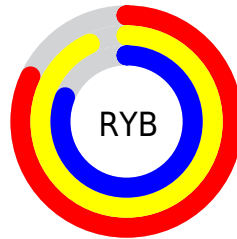
The Yxy color **82.5004, 0.3318, 0.3593** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.4911, 0.2926, 0.2968**, and the grayscale version is **81.5759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7662, 0.3357, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **80.9684, 0.3473, 0.3838**, and if you desaturate by 10%, it is **84.2158, 0.3167, 0.3353**.

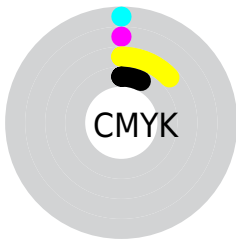
Distribution



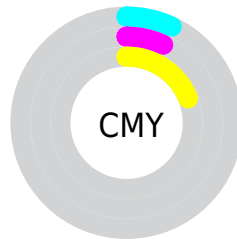
- Red (93%)
- Green (93%)
- Blue (81%)



- Red (82%)
- Yellow (93%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5004, 0.3318, 0.3593 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 82.5004, 0.3318, 0.3593 by changing the saturation by 10% instead.

82.5004, 0.3318,
0.3593

82.5004, 0.3318,
0.3593

503.3200, 0.3232,
0.3455

61.7781, 0.3337,
0.3624

136.8755, 0.3289,
0.3545

44.8534, 0.3360,
0.3662

171.2971, 0.3277,
0.3527

31.3420, 0.3389,
0.3710

211.0539, 0.3267,
0.3511

20.8594, 0.3426,
0.3773

256.5303, 0.3259,
0.3497

13.0213, 0.3474,
0.3856

308.1107, 0.3251,
0.3484

7.4432, 0.3541,
0.3974

366.1796, 0.3244,

3.7408, 0.3638,

0.3473

0.4153

431.1212, 0.3238,
0.3463

■ 1.5296, 0.3851,
0.4524

■ 0.3095, 0.3737,
0.6263

■ 82.5004, 0.3318,
0.3593

■ 82.5004, 0.3318,
0.3593

■ 80.9684, 0.3473,
0.3838

■ 84.2158, 0.3167,
0.3353

■ 79.6011, 0.3628,
0.4081

■ 86.1109, 0.3022,
0.3123

■ 78.3939, 0.3777,
0.4311

■ 86.6187, 0.3019,
0.3125

■ 77.3377, 0.3913,
0.4521


■ 87.0891, 0.3018,
0.3133


 76.4227, 0.4032,
0.4700


 87.5617, 0.3018,
0.3141


 75.6375, 0.4127,
0.4839

 88.0363, 0.3018,
0.3149


 74.9695, 0.4195,
0.4935

 88.5131, 0.3018,
0.3157

 74.4030, 0.4237,
0.4987

 88.9919, 0.3018,
0.3165

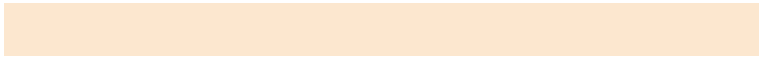
 74.0347, 0.4254,
0.5004

 89.4729, 0.3018,
0.3173

Harmonies

Analogous

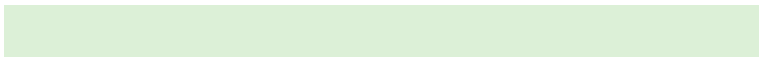
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5004, 0.3434, 0.3540



82.5004, 0.3318, 0.3593



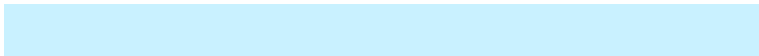
82.5004, 0.3152, 0.3561

Triad

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



82.5004, 0.3318, 0.3593



82.5004, 0.2799, 0.3143



82.5004, 0.3268, 0.3137

Complementary

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



82.5004, 0.3318, 0.3593



64.4911, 0.2926, 0.2968

Split Complementary

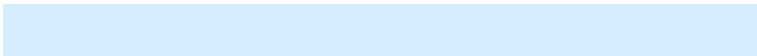
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5004, 0.3095, 0.3037



82.5004, 0.3318, 0.3593



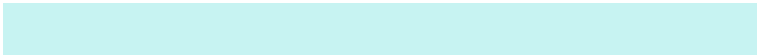
82.5004, 0.2827, 0.3036

Square

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



82.5004, 0.3318, 0.3593



82.5004, 0.2855, 0.3294



82.5004, 0.2934, 0.3000



82.5004, 0.3406, 0.3276

Rectangle

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



82.5004, 0.3318, 0.3593



82.5004, 0.3037, 0.3494



82.5004, 0.2934, 0.3000



82.5004, 0.3212, 0.3098

Sweetspot

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



82.5040, 0.3318, 0.3593



99.1397, 0.3187, 0.3385



67.2032, 0.3347, 0.3275



21.1862, 0.3198, 0.3402



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.



82.5040, 0.3318, 0.3593



96.9515, 0.3355, 0.3651



80.8526, 0.3223, 0.3612



17.5342, 0.3269, 0.3515



40.4534, 0.4253, 0.5005



3.2041, 0.4244, 0.5012

Inverse Universe

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



64.4911, 0.2926, 0.2968



72.1011, 0.2884, 0.2901



66.0266, 0.3021, 0.2966



14.6308, 0.2980, 0.3055



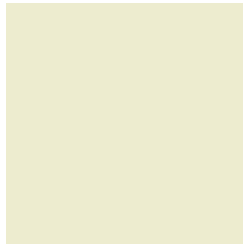
3.4716, 0.1506, 0.0622



0.3016, 0.1522, 0.0680

Previews

White Background



This preview shows how the Yxy color 82.5004, 0.3318, 0.3593 looks on a white background.

Color Contrast Check

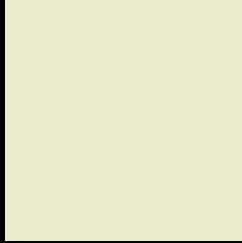
Large Text (above 18pt) WCAG AA × Fail

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 82.5004, 0.3318, 0.3593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

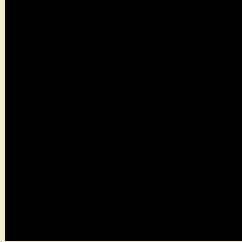
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

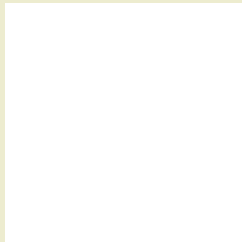
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5004, 0.3318, 0.3593

Background



This preview shows how black text looks on a background with the Yxy color 82.5004, 0.3318, 0.3593.

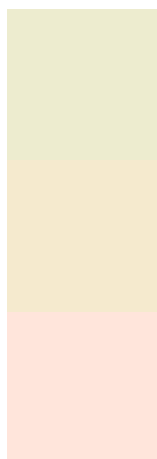


This preview shows how white text looks on a background with the Yxy color 82.5004, 0.3318, 0.3593.

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

82.5004, 0.3318, 0.3593

Protanopia

82.7143, 0.3384, 0.3578

Deuteranopia

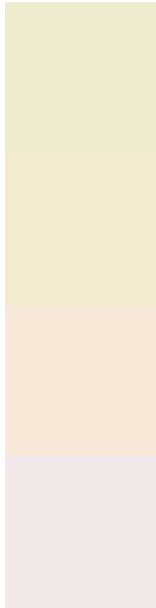
82.4131, 0.3376, 0.3391



Tritanopia

82.4256, 0.3102, 0.3110

Trichromacy



Original Color

82.5004, 0.3318, 0.3593

Protanomaly

82.7501, 0.3361, 0.3590

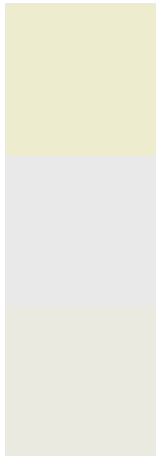
Deuteranomaly

82.5760, 0.3348, 0.3463

Tritanomaly

82.2972, 0.3182, 0.3280

Monochromacy



Original Color

82.5004, 0.3318, 0.3593

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7199, 0.3190, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5004, 0.3318, 0.3593 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(237, 236, 207)` looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 207)  
}
```

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(237, 236, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 207) }
```

Border

The CSS property to change the border of an element to Yxy 82.5004, 0.3318, 0.3593 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(237, 236, 207) }
```

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

```
.border{ border-color:rgb(237, 236, 207) }
```

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

Here you see how a box with a 4 pixel rgb(237, 236, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 207);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5004, 0.3318, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 207) }
```

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

```
.background{ background-color: rgb(237,  
236, 207) }
```

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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