

Converting Colors

$Yxy(82.9114, 0.3295, 0.3483)$

Have a look what the booklet for
Yxy(82.9114, 0.3295, 0.3483)
contains.

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Color

Yxy(83.2518, 0.3296, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	F2EBD8
RGB	242, 235, 216
RGB Percent	95%, 92%, 85%
CMY	0.0508, 0.0785, 0.1529
CMYK	0.00, 0.03, 0.11, 0.05
HSL	44°, 50%, 90%
HSV	44°, 11%, 95%
XYZ	78.7369, 83.2518, 76.8974
YIQ	234.9270, 10.2710, -4.4250

Conversions

Conversions Part 2

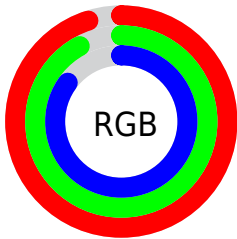
Format	Color
RYB	226, 242, 216
Decimal	15920088
CIELab	93.12, -0.78, 10.04
CIELCh	93, 10.069, 94.426
Yxy	83.2518, 0.3296, 0.3485
Android (android.graphics.Color)	4294110168 (0xFFFF2EBD8)
YUV	234.9270, -9.3310, 6.2030
Hunter-Lab	91.2424, -5.6392, 13.9012

Details

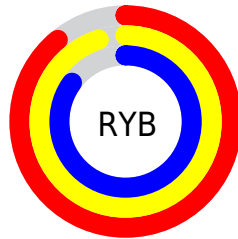
The Yxy color **83.2518, 0.3296, 0.3485** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.8389, 0.2959, 0.3087**, and the grayscale version is **83.0942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2525, 0.3337, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **78.4005, 0.3467, 0.3674**, and if you desaturate by 10%, it is **88.4339, 0.3138, 0.3303**.

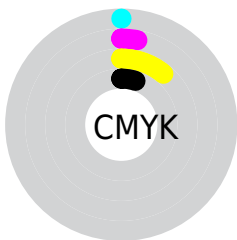
Distribution



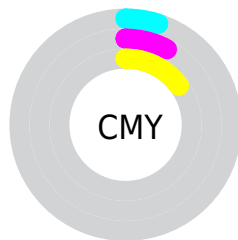
- Red (95%)
- Green (92%)
- Blue (85%)



- Red (89%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2518, 0.3296, 0.3485 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 83.2518, 0.3296, 0.3485 by changing the saturation by 10% instead.

83.2518, 0.3296,
0.3485

83.2518, 0.3296,
0.3485

505.8253, 0.3220,
0.3397

62.3979, 0.3313,
0.3505

137.9281, 0.3270,
0.3455

45.3543, 0.3334,
0.3529

172.5192, 0.3260,
0.3443

31.7366, 0.3360,
0.3559

212.4583, 0.3251,
0.3433

21.1604, 0.3393,
0.3598

258.1296, 0.3243,
0.3424

13.2413, 0.3438,
0.3650

309.9175, 0.3236,
0.3416

7.5949, 0.3500,
0.3723

368.2065, 0.3230,

3.8368, 0.3593,

0.3409

0.3833

433.3810, 0.3225,
0.3402

■ 1.5827, 0.3748,
0.4018

■ 0.3459, 0.4725,
0.5275

■ 83.2518, 0.3296,
0.3485

■ 83.2518, 0.3296,
0.3485

■ 78.4005, 0.3467,
0.3674

■ 88.4339, 0.3138,
0.3303

■ 73.8594, 0.3651,
0.3866

■ 93.3224, 0.3049,
0.3223

■ 69.6222, 0.3843,
0.4054

■ 97.4375, 0.3048,
0.3287

■ 65.6779, 0.4038,
0.4230

■ 97.6272, 0.3048,
0.3290

■ 62.0147, 0.4230,
0.4382

■ 58.6196, 0.4408,
0.4501

■ 55.4779, 0.4564,
0.4575

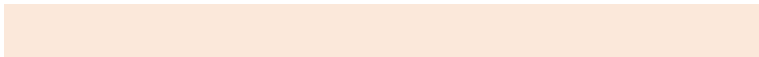
■ 52.5721, 0.4690,
0.4601

■ 50.0708, 0.4782,
0.4585

Harmonies

Analogous

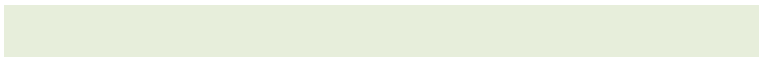
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2518, 0.3351, 0.3430



83.2518, 0.3296, 0.3485



83.2518, 0.3196, 0.3488

Triad

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



83.2518, 0.3296, 0.3485



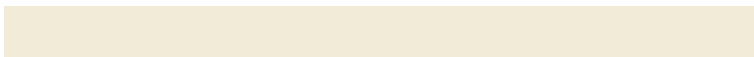
83.2518, 0.2914, 0.3234



83.2518, 0.3173, 0.3152

Complementary

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



83.2518, 0.3296, 0.3485



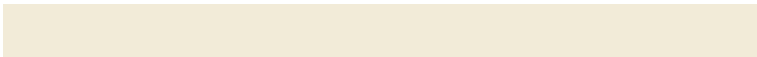
73.8389, 0.2959, 0.3087

Split Complementary

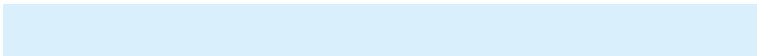
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2518, 0.3056, 0.3101



83.2518, 0.3296, 0.3485



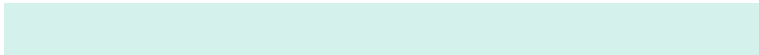
83.2518, 0.2908, 0.3146

Square

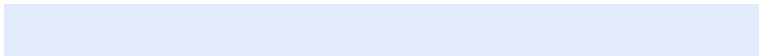
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2518, 0.3296, 0.3485



83.2518, 0.2976, 0.3341



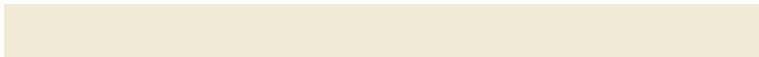
83.2518, 0.2959, 0.3098



83.2518, 0.3279, 0.3238

Rectangle

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



83.2518, 0.3296, 0.3485



83.2518, 0.3118, 0.3458



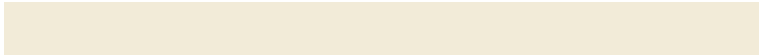
83.2518, 0.2959, 0.3098



83.2518, 0.3133, 0.3130

Sweetspot

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



83.2555, 0.3296, 0.3485



98.1990, 0.3173, 0.3343



73.3583, 0.3267, 0.3214



20.9168, 0.3185, 0.3358



0.0000, 0.0000, 0.0000



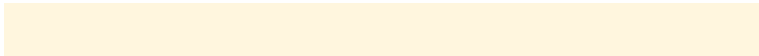
21.4041, 0.3127, 0.3290

Same Dimension

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



83.2555, 0.3296, 0.3485



92.4374, 0.3334, 0.3528



86.4005, 0.3249, 0.3559



17.6909, 0.3275, 0.3461



27.1231, 0.4770, 0.4594



2.4205, 0.4677, 0.4668

Inverse Universe

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



73.8389, 0.2959, 0.3087



79.7939, 0.2921, 0.3041



71.0123, 0.2997, 0.3013



15.9270, 0.2980, 0.3113



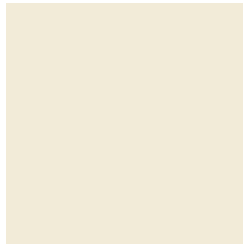
5.7121, 0.1593, 0.0934



0.6347, 0.1663, 0.1185

Previews

White Background



This preview shows how the Yxy color 83.2518, 0.3296, 0.3485 looks on a white background.

Color Contrast Check

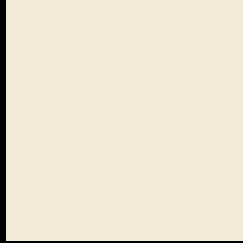
Large Text (above 18pt) WCAG AA × Fail

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 83.2518, 0.3296, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

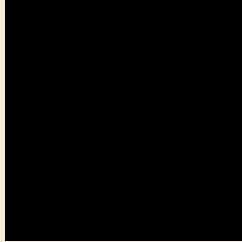
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

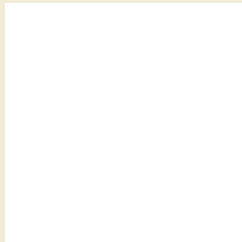
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2518, 0.3296, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 83.2518, 0.3296, 0.3485.

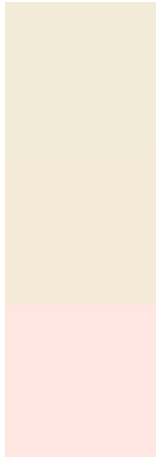


This preview shows how white text looks on a background with the Yxy color 83.2518, 0.3296, 0.3485.

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

83.2518, 0.3296, 0.3485

Protanopia

83.0366, 0.3311, 0.3475

Deuteranopia

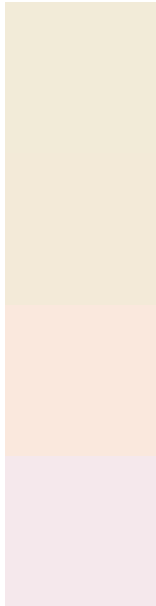
83.2354, 0.3341, 0.3350



Tritanopia

83.1451, 0.3129, 0.3112

Trichromacy



Original Color

83.2518, 0.3296, 0.3485

Protanomaly

82.8582, 0.3304, 0.3475

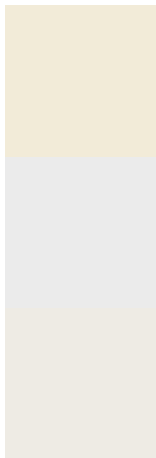
Deuteranomaly

83.2577, 0.3323, 0.3401

Tritanomaly

83.1818, 0.3190, 0.3250

Monochromacy



Original Color

83.2518, 0.3296, 0.3485

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1952, 0.3191, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2518, 0.3296, 0.3485 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(242, 235, 216)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 216)  
}
```

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(242, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.2518, 0.3296, 0.3485 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(242, 235, 216) }
```

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

```
.border{ border-color:rgb(242, 235, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 235, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 235, 216); box-shadow:4px 4px 4px 4px rgb(242, 235, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2518, 0.3296, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 216) }
```

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

```
.background{ background-color: rgb(242,  
235, 216) }
```

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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