

Converting Colors

$Y_{xy}(80.6511, 0.3345, 0.3515)$

Have a look what the booklet for
Yxy(80.6511, 0.3345, 0.3515)
contains.

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Color

Yxy(80.6325, 0.3347, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	F2E7D1
RGB	242, 231, 209
RGB Percent	95%, 91%, 82%
CMY	0.0508, 0.0941, 0.1803
CMYK	0.00, 0.05, 0.14, 0.05
HSL	40°, 56%, 88%
HSV	40°, 14%, 95%
XYZ	76.7132, 80.6325, 71.8541
YIQ	231.7810, 13.6180, -4.5100

Conversions

Conversions Part 2

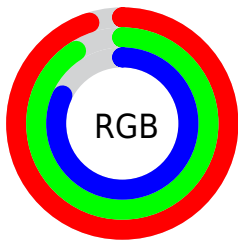
Format	Color
R _Y B	226, 242, 209
Decimal	15919057
CIE Lab	91.97, 0.15, 12.03
CIE LCh	92, 12.028, 89.283
Yxy	80.6325, 0.3347, 0.3518
Android (android.graphics.Color)	4294109137 (0xFFFF2E7D1)
YUV	231.7810, -11.2310, 8.9621
Hunter-Lab	89.7956, -4.6482, 15.4133

Details

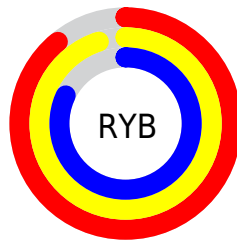
The Yxy color **80.6325, 0.3347, 0.3518** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.1906, 0.2912, 0.3051**, and the grayscale version is **80.6078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4656, 0.3396, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **75.0995, 0.3527, 0.3693**, and if you desaturate by 10%, it is **86.5644, 0.3183, 0.3349**.

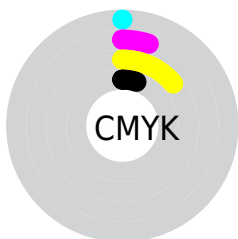
Distribution



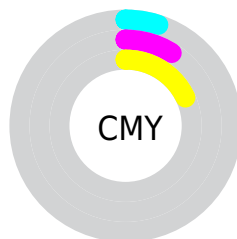
- Red (95%)
- Green (91%)
- Blue (82%)



- Red (89%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6325, 0.3347, 0.3518 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 80.6325, 0.3347, 0.3518 by changing the saturation by 10% instead.


 80.6325, 0.3347,
0.3518

 80.6325, 0.3347,
0.3518

497.0618, 0.3247,
0.3414

 60.2390, 0.3369,
0.3541


134.2546, 0.3313,
0.3482

 43.6113, 0.3397,
0.3570

168.2520, 0.3299,
0.3469

 30.3650, 0.3431,
0.3605


207.5528, 0.3288,
0.3456

 20.1158, 0.3476,
0.3651

252.5414, 0.3277,
0.3446

 12.4793, 0.3535,
0.3713

303.6023, 0.3268,
0.3437

 7.0710, 0.3619,
0.3799

361.1197, 0.3261,

 3.5065, 0.3745,

0.3428

0.3929

425.4781, 0.3253,
0.3421

■ 1.4015, 0.4003,
0.4196

■ 0.2179, 0.4917,
0.5083

■ 80.6325, 0.3347,
0.3518

■ 80.6325, 0.3347,
0.3518

■ 75.0995, 0.3527,
0.3693

■ 86.5644, 0.3183,
0.3349

■ 69.9436, 0.3723,
0.3870

■ 92.7375, 0.3049,
0.3213

■ 65.1569, 0.3930,
0.4042

■ 97.6236, 0.3048,
0.3290

■ 60.7267, 0.4143,
0.4200

■ 56.6395, 0.4354,
0.4333

■ 52.8804, 0.4553,
0.4429

■ 49.4325, 0.4729,
0.4478

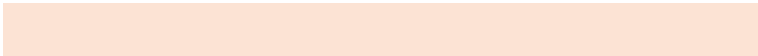
■ 46.2758, 0.4873,
0.4475

■ 44.4024, 0.4951,
0.4451

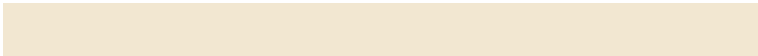
Harmonies

Analogous

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



80.6325, 0.3402, 0.3441



80.6325, 0.3347, 0.3518



80.6325, 0.3233, 0.3534

Triad

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



80.6325, 0.3347, 0.3518



80.6325, 0.2879, 0.3244



80.6325, 0.3157, 0.3110

Complementary

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



80.6325, 0.3347, 0.3518



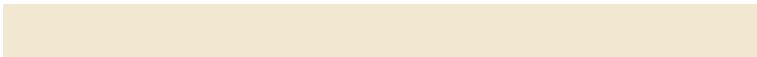
71.1906, 0.2912, 0.3051

Split Complementary

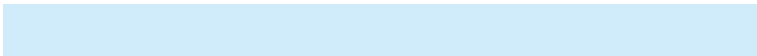
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6325, 0.3018, 0.3058



80.6325, 0.3347, 0.3518



80.6325, 0.2860, 0.3131

Square

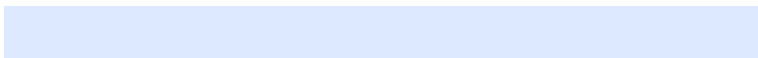
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6325, 0.3347, 0.3518



80.6325, 0.2964, 0.3373



80.6325, 0.2910, 0.3064



80.6325, 0.3291, 0.3208

Rectangle

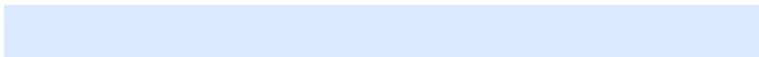
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6325, 0.3347, 0.3518



80.6325, 0.3140, 0.3506



80.6325, 0.2910, 0.3064



80.6325, 0.3110, 0.3087

Sweetspot

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



80.6361, 0.3347, 0.3518



97.2030, 0.3189, 0.3355



69.6924, 0.3294, 0.3170



20.6946, 0.3200, 0.3368



0.0000, 0.0000, 0.0000



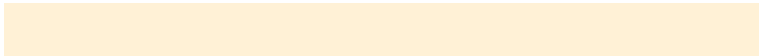
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6361, 0.3347, 0.3518



89.2456, 0.3389, 0.3560



86.1488, 0.3298, 0.3632



17.5164, 0.3277, 0.3447



24.1074, 0.4935, 0.4463



2.1878, 0.4813, 0.4561

Inverse Universe

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



71.1906, 0.2912, 0.3051



76.9484, 0.2872, 0.3005



66.3160, 0.2943, 0.2932



16.0926, 0.2980, 0.3128



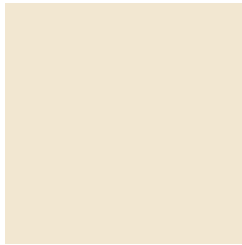
6.8251, 0.1634, 0.1083



0.7443, 0.1707, 0.1344

Previews

White Background



This preview shows how the Yxy color 80.6325, 0.3347, 0.3518 looks on a white background.

Color Contrast Check

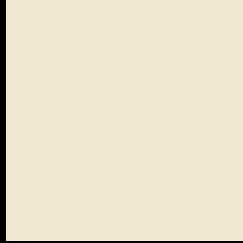
Large Text (above 18pt) WCAG AA × Fail

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 80.6325, 0.3347, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

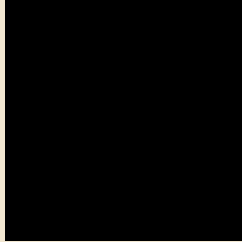
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

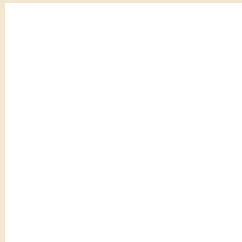
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6325, 0.3347, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 80.6325, 0.3347, 0.3518.

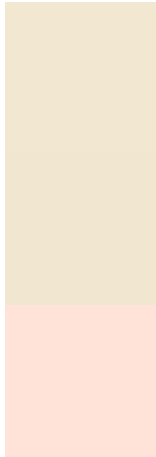


This preview shows how white text looks on a background with the Yxy color 80.6325, 0.3347, 0.3518.

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

80.6325, 0.3347, 0.3518

Protanopia

80.4560, 0.3340, 0.3519

Deuteranopia

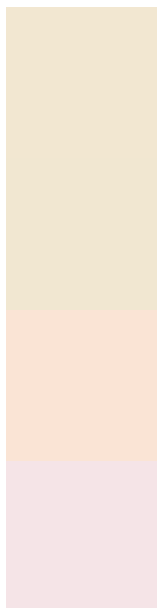
80.6106, 0.3400, 0.3391



Tritanopia

80.6985, 0.3156, 0.3111

Trichromacy



Original Color

80.6325, 0.3347, 0.3518

Protanomaly

80.4560, 0.3340, 0.3519

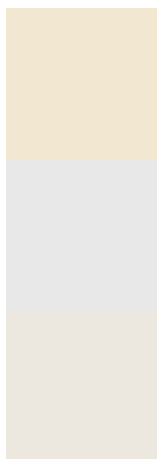
Deuteranomaly

80.6149, 0.3382, 0.3443

Tritanomaly

80.6688, 0.3226, 0.3260

Monochromacy



Original Color

80.6325, 0.3347, 0.3518

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.9279, 0.3205, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6325, 0.3347, 0.3518 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, 231, 209)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 209)  
}
```

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, 231, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 209) }
```

Border

The CSS property to change the border of an element to Yxy 80.6325, 0.3347, 0.3518 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, 231, 209) }
```

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

```
.border{ border-color:rgb(242, 231, 209) }
```

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

Here you see how a box with a 4 pixel rgb(242, 231, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6325, 0.3347, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 209) }
```

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

```
.background{ background-color: rgb(242,  
231, 209) }
```

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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