

Converting Colors

$Yxy(80.6550, 0.3594, 0.3995)$

Have a look what the booklet for
Yxy(80.6550, 0.3594, 0.3995)
contains.

Yxy(80.7691, 0.3595, 0.3993)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7691, 0.3595, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	F0EBA8
RGB	240, 235, 168
RGB Percent	94%, 92%, 66%
CMY	0.0587, 0.0784, 0.3413
CMYK	0.00, 0.02, 0.30, 0.06
HSL	56°, 71%, 80%
HSV	56°, 30%, 94%
XYZ	72.7185, 80.7691, 48.7891
YIQ	228.8570, 24.4870, -19.7770

Conversions

Conversions Part 2

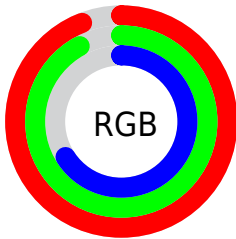
Format	Color
R_{YB}	173, 240, 168
Decimal	15788968
CIE _{Lab}	92.03, -8.34, 33.21
CIE _{LCh}	92, 34.243, 104.092
Yxy	80.7691, 0.3595, 0.3993
Android (android.graphics.Color)	4293979048 (0xFFFF0EBA8)
YUV	228.8570, -30.0025, 9.7724
Hunter-Lab	89.8716, -12.8444, 30.7230

Details

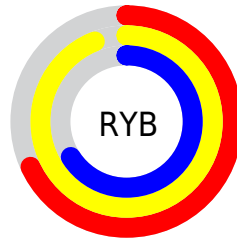
The Yxy color **80.7691, 0.3595, 0.3993** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.5077, 0.2602, 0.2474**, and the grayscale version is **78.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **43.5453, 0.3694, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **79.0025, 0.3752, 0.4222**, and if you desaturate by 10%, it is **82.7172, 0.3435, 0.3756**.

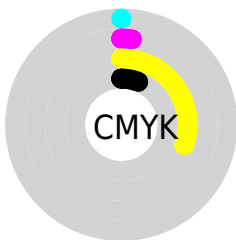
Distribution



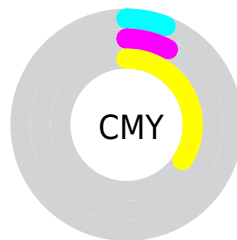
- Red (94%)
- Green (92%)
- Blue (66%)



- Red (68%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (2%)
- Yellow (30%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7691, 0.3595, 0.3993 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 80.7691, 0.3595, 0.3993 by changing the saturation by 10% instead.


 80.7691, 0.3595,
0.3993

 80.7691, 0.3595,
0.3993

497.5210, 0.3388,
0.3671

 60.3514, 0.3639,
0.4065


 134.4465, 0.3525,
0.3883

 43.7020, 0.3692,
0.4152


 168.4751, 0.3498,
0.3839

 30.4363, 0.3757,
0.4261


207.8094, 0.3474,
0.3802

 20.1700, 0.3835,
0.4400

252.8338, 0.3452,
0.3769

 12.5187, 0.3933,
0.4580

303.9328, 0.3434,
0.3740

 7.0979, 0.4051,
0.4821

361.4907, 0.3417,

 3.5234, 0.4261,

0.3715

0.5243

425.8920, 0.3402,
0.3692

■ 1.4107, 0.4341,
0.5659

■ 0.2246, 0.0425,
0.9575

■ 80.7691, 0.3595,
0.3993

■ 80.7691, 0.3595,
0.3993

■ 79.0025, 0.3752,
0.4222

■ 82.7172, 0.3435,
0.3756

■ 77.3973, 0.3900,
0.4433


■ 84.8442, 0.3278,
0.3520

■ 75.9473, 0.4033,
0.4617


■ 87.1618, 0.3127,
0.3291

■ 74.6411, 0.4144,
0.4764


■ 89.0846, 0.3037,
0.3159


 73.4660, 0.4230,
0.4868


 90.0870, 0.3037,
0.3175


 72.4070, 0.4289,
0.4928

 91.0985, 0.3037,
0.3192

 71.4403, 0.4323,
0.4949

 92.1193, 0.3037,
0.3209

 93.1493, 0.3036,
0.3225

 94.1886, 0.3036,
0.3242

Harmonies

Analogous

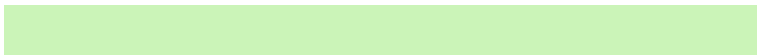
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7691, 0.3857, 0.3822



80.7691, 0.3595, 0.3993



80.7691, 0.3217, 0.3962

Triad

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



80.7691, 0.3595, 0.3993



80.7691, 0.2397, 0.2967



80.7691, 0.3403, 0.2917

Complementary

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



80.7691, 0.3595, 0.3993



44.5077, 0.2602, 0.2474

Split Complementary

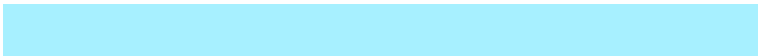
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7691, 0.2997, 0.2715



80.7691, 0.3595, 0.3993



80.7691, 0.2437, 0.2726

Square

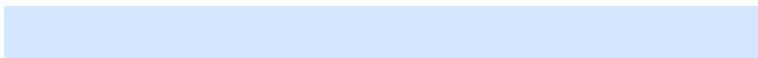
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7691, 0.3595, 0.3993



80.7691, 0.2535, 0.3330



80.7691, 0.2649, 0.2643



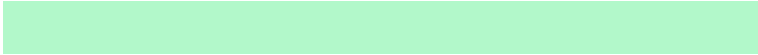
80.7691, 0.3749, 0.3207

Rectangle

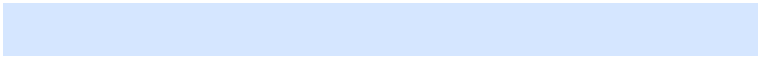
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7691, 0.3595, 0.3993



80.7691, 0.2953, 0.3815



80.7691, 0.2649, 0.2643



80.7691, 0.3268, 0.2837

Sweetspot

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



80.7727, 0.3595, 0.3993



97.5892, 0.3263, 0.3497



49.5824, 0.3746, 0.3225



20.8083, 0.3286, 0.3531



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

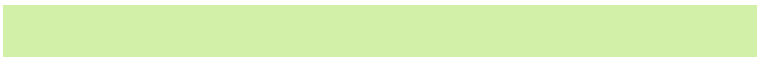
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7727, 0.3595, 0.3993



91.4034, 0.3691, 0.4134



78.8712, 0.3367, 0.4097



18.2587, 0.3270, 0.3507



39.1761, 0.4321, 0.4951



3.3154, 0.4302, 0.4966

Inverse Universe

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



44.5077, 0.2602, 0.2474



43.6349, 0.2478, 0.2277



46.2948, 0.2821, 0.2463



15.4062, 0.2979, 0.3063



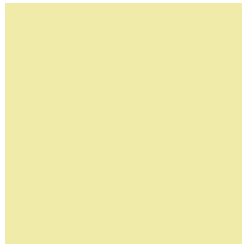
3.7277, 0.1512, 0.0644



0.3717, 0.1543, 0.0756

Previews

White Background



This preview shows how the Yxy color 80.7691, 0.3595, 0.3993 looks on a white background.

Color Contrast Check

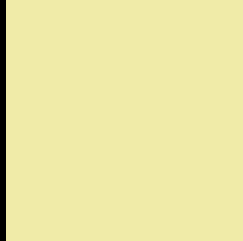
Large Text (above 18pt) WCAG AA × Fail

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 80.7691, 0.3595, 0.3993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

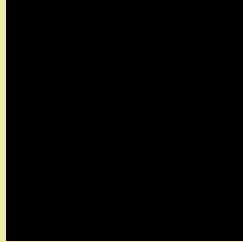
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7691, 0.3595, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 80.7691, 0.3595, 0.3993.

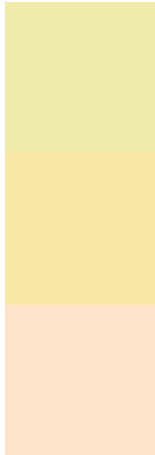


This preview shows how white text looks on a background with the Yxy color 80.7691, 0.3595, 0.3993.

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

80.7691, 0.3595, 0.3993

Protanopia

80.8272, 0.3684, 0.3957

Deuteranopia

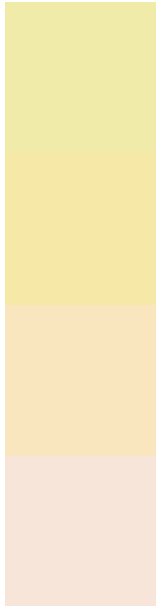
80.5100, 0.3489, 0.3533



Tritanopia

80.4612, 0.3177, 0.3111

Trichromacy



Original Color

80.7691, 0.3595, 0.3993

Protanomaly

80.6607, 0.3651, 0.3973

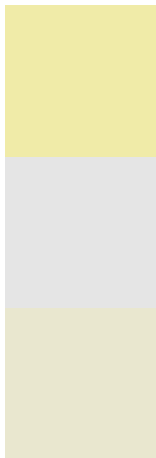
Deuteranomaly

80.6353, 0.3535, 0.3701

Tritanomaly

80.5893, 0.3331, 0.3424

Monochromacy



Original Color

80.7691, 0.3595, 0.3993

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9805, 0.3296, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7691, 0.3595, 0.3993 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(240, 235, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 168)  
}
```

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(240, 235, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 168) }
```

Border

The CSS property to change the border of an element to Yxy 80.7691, 0.3595, 0.3993 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(240, 235, 168) }
```

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

```
.border{ border-color:rgb(240, 235, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 235, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7691, 0.3595, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 168) }
```

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

```
.background{ background-color: rgb(240,  
235, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor