

Converting Colors

$Yxy(81.8255, 0.3397, 0.3735)$

Have a look what the booklet for
Yxy(81.8255, 0.3397, 0.3735)
contains.

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Color

Yxy(81.7188, 0.3395, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	ECECC2
RGB	236, 236, 194
RGB Percent	93%, 93%, 76%
CMY	0.0743, 0.0746, 0.2391
CMYK	0.00, 0.00, 0.18, 0.07
HSL	60°, 53%, 84%
HSV	60°, 18%, 93%
XYZ	74.3396, 81.7188, 62.9095
YIQ	231.2120, 13.4820, -13.0620

Conversions

Conversions Part 2

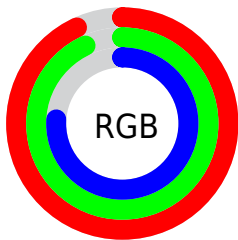
Format	Color
R _Y B	194, 236, 194
Decimal	15527106
CIE Lab	92.45, -6.78, 20.41
CIE LCh	92, 21.504, 108.383
Yxy	81.7188, 0.3395, 0.3732
Android (android.graphics.Color)	4293717186 (0xFFECECC2)
YUV	231.2120, -18.3455, 4.1991
Hunter-Lab	90.3985, -11.4070, 22.0182

Details

The Yxy color **81.7188, 0.3395, 0.3732** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.1551, 0.2834, 0.2806**, and the grayscale version is **80.2172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **44.2393, 0.3457, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **80.7248, 0.3547, 0.3984**, and if you desaturate by 10%, it is **82.8885, 0.3243, 0.3481**.

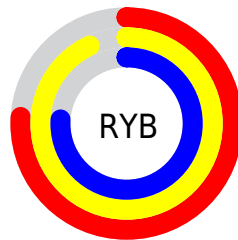
Distribution



Red (93%)

Green (93%)

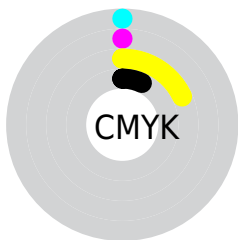
Blue (76%)



Red (76%)

Yellow (93%)

Blue (76%)

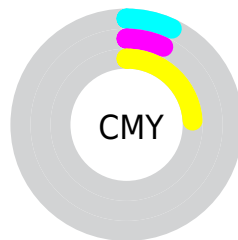


Cyan (0%)

Magenta (0%)

Yellow (18%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7188, 0.3395, 0.3732 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 81.7188, 0.3395, 0.3732 by changing the saturation by 10% instead.

81.7188, 0.3395,
0.3732

81.7188, 0.3395,
0.3732

500.7066, 0.3275,
0.3529

61.1338, 0.3421,
0.3778

135.7796, 0.3354,
0.3662

44.3331, 0.3453,
0.3834

170.0242, 0.3338,
0.3635

30.9325, 0.3492,
0.3905

209.5907, 0.3324,
0.3611

20.5474, 0.3542,
0.3996

254.8636, 0.3312,
0.3591

12.7936, 0.3607,
0.4119

306.2272, 0.3301,
0.3573

7.2866, 0.3693,
0.4290

364.0660, 0.3292,

3.6420, 0.3812,

0.3556

0.4546

428.7643, 0.3283,
0.3542

■ 1.4754, 0.4328,
0.5401

■ 0.2713, 0.2539,
0.7461

■ 81.7188, 0.3395,
0.3732

■ 81.7188, 0.3395,
0.3732

■ 80.7248, 0.3547,
0.3984

■ 82.8885, 0.3243,
0.3481

■ 79.8878, 0.3695,
0.4227


■ 84.2304, 0.3095,
0.3237

■ 79.2027, 0.3832,
0.4453

■ 85.1050, 0.3012,
0.3101

■ 78.6602, 0.3952,
0.4651


■ 85.1246, 0.3012,
0.3101


 78.2500, 0.4051,
0.4813


 85.1442, 0.3012,
0.3101


 77.9601, 0.4124,
0.4933


 85.1638, 0.3012,
0.3102

 77.7766, 0.4170,
0.5009

 85.1835, 0.3012,
0.3102

 77.6808, 0.4192,
0.5045

 85.2031, 0.3012,
0.3103

 77.6651, 0.4196,
0.5051

 85.2227, 0.3012,
0.3103

Harmonies

Analogous

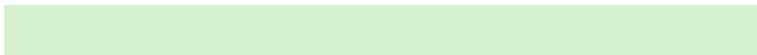
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7188, 0.3569, 0.3652



81.7188, 0.3395, 0.3732



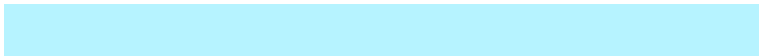
81.7188, 0.3153, 0.3685

Triad

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



81.7188, 0.3395, 0.3732



81.7188, 0.2656, 0.3067



81.7188, 0.3337, 0.3076

Complementary

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



81.7188, 0.3395, 0.3732



56.1551, 0.2834, 0.2806

Split Complementary

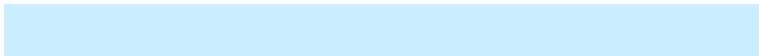
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7188, 0.3085, 0.2933



81.7188, 0.3395, 0.3732



81.7188, 0.2699, 0.2920

Square

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



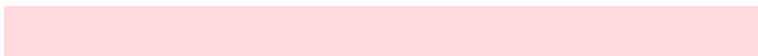
81.7188, 0.3395, 0.3732



81.7188, 0.2732, 0.3286



81.7188, 0.2853, 0.2875



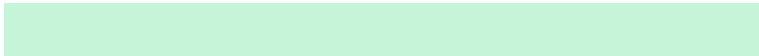
81.7188, 0.3537, 0.3273

Rectangle

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



81.7188, 0.3395, 0.3732



81.7188, 0.2988, 0.3584



81.7188, 0.2853, 0.2875



81.7188, 0.3255, 0.3020

Sweetspot

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



81.7224, 0.3395, 0.3732



99.1941, 0.3201, 0.3412



60.3653, 0.3466, 0.3283



21.2083, 0.3212, 0.3430



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.



81.7224, 0.3395, 0.3732



96.9690, 0.3445, 0.3815



78.4752, 0.3252, 0.3753



17.6231, 0.3268, 0.3522



42.7917, 0.4196, 0.5051



3.3614, 0.4195, 0.5051

Inverse Universe

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



56.1551, 0.2834, 0.2806



61.7195, 0.2773, 0.2705



59.0022, 0.2983, 0.2826



14.5524, 0.2980, 0.3047



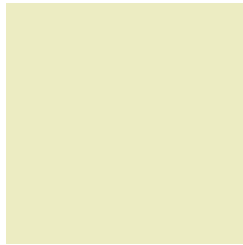
3.3439, 0.1500, 0.0601



0.2638, 0.1501, 0.0604

Previews

White Background



This preview shows how the Yxy color 81.7188, 0.3395, 0.3732 looks on a white background.

Color Contrast Check

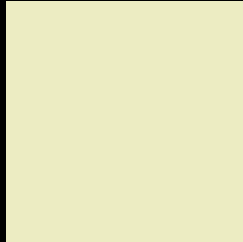
Large Text (above 18pt) WCAG AA × Fail

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 81.7188, 0.3395, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

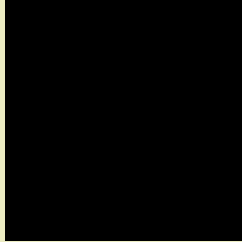
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

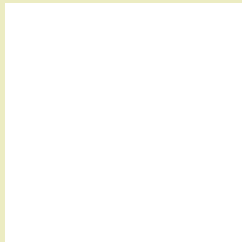
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7188, 0.3395, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 81.7188, 0.3395, 0.3732.

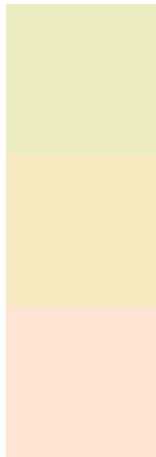


This preview shows how white text looks on a background with the Yxy color 81.7188, 0.3395, 0.3732.

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

81.7188, 0.3395, 0.3732

Protanopia

81.8578, 0.3493, 0.3713

Deuteranopia

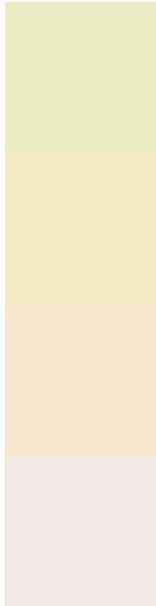
81.5003, 0.3425, 0.3452



Tritanopia

81.8087, 0.3108, 0.3110

Trichromacy



Original Color

81.7188, 0.3395, 0.3732

Protanomaly

81.7506, 0.3455, 0.3716

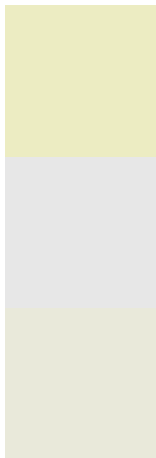
Deuteranomaly

81.5161, 0.3417, 0.3557

Tritanomaly

81.8399, 0.3207, 0.3331

Monochromacy



Original Color

81.7188, 0.3395, 0.3732

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6634, 0.3222, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7188, 0.3395, 0.3732 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(236, 236, 194)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 194)  
}
```

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(236, 236, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 194) }
```

Border

The CSS property to change the border of an element to Yxy 81.7188, 0.3395, 0.3732 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(236, 236, 194) }
```

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

```
.border{ border-color:rgb(236, 236, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 236, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 236, 194); box-shadow:4px 4px 4px 4px rgb(236, 236, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7188, 0.3395, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 194) }
```

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

```
.background{ background-color: rgb(236,  
236, 194) }
```

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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