

Converting Colors

$Yxy(80.9483, 0.3353, 0.3626)$

Have a look what the booklet for
Yxy(80.9483, 0.3353, 0.3626)
contains.

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Color

Yxy(81.1144, 0.3353, 0.3626)

Conversions

Conversions Part 1

Format	Color
Hex	EDEACA
RGB	237, 234, 202
RGB Percent	93%, 92%, 79%
CMY	0.0706, 0.0823, 0.2078
CMYK	0.00, 0.01, 0.15, 0.07
HSL	55°, 49%, 86%
HSV	55°, 15%, 93%
XYZ	75.0073, 81.1144, 67.5804
YIQ	231.2490, 12.0600, -9.3160

Conversions

Conversions Part 2

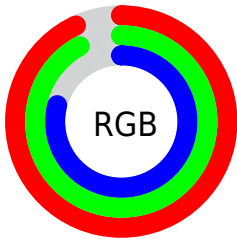
Format	Color
R_{YB}	205, 237, 202
Decimal	15592138
CIE Lab	92.18, -4.25, 15.92
CIE LCh	92, 16.478, 104.951
Yxy	81.1144, 0.3353, 0.3626
Android (android.graphics.Color)	4293782218 (0xFFEDEACA)
YUV	231.2490, -14.4198, 5.0436
Hunter-Lab	90.0635, -8.9516, 18.5554

Details

The Yxy color **81.1144, 0.3353, 0.3626** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.3291, 0.2890, 0.2930**, and the grayscale version is **80.2106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8027, 0.3404, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **78.9341, 0.3513, 0.3860**, and if you desaturate by 10%, it is **83.4874, 0.3198, 0.3396**.

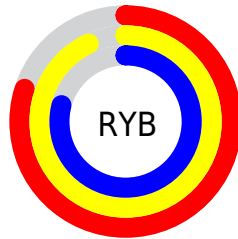
Distribution



Red (93%)

Green (92%)

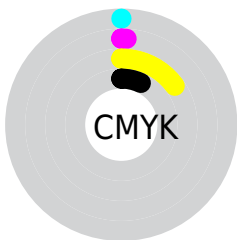
Blue (79%)



Red (80%)

Yellow (93%)

Blue (79%)

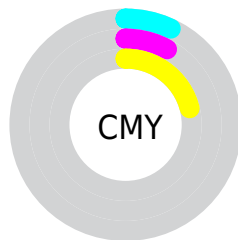


Cyan (0%)

Magenta (1%)

Yellow (15%)

Black (7%)



Cyan (7%)


Magenta (8%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1144, 0.3353, 0.3626 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 81.1144, 0.3353, 0.3626 by changing the saturation by 10% instead.


 81.1144, 0.3353,
0.3626

 81.1144, 0.3353,
0.3626


498.6805, 0.3251,
0.3472

 60.6358, 0.3376,
0.3661


134.9314, 0.3318,
0.3573

 43.9313, 0.3403,
0.3703


169.0386, 0.3305,
0.3552

 30.6165, 0.3437,
0.3757


208.4575, 0.3293,
0.3534

 20.3070, 0.3481,
0.3826

253.5724, 0.3282,
0.3519

 12.6184, 0.3539,
0.3920

304.7678, 0.3273,
0.3505

 7.1663, 0.3619,
0.4051

362.4280, 0.3265,

 3.5663, 0.3734,

0.3493

0.4249

426.9374, 0.3258,
0.3482

■ 1.4341, 0.4063,
0.4757

■ 0.2416, 0.3425,
0.6575

■ 81.1144, 0.3353,
0.3626

■ 81.1144, 0.3353,
0.3626

■ 78.9341, 0.3513,
0.3860

■ 83.4874, 0.3198,
0.3396

■ 76.9279, 0.3674,
0.4091

■ 86.0498, 0.3052,
0.3176

■ 75.0909, 0.3830,
0.4310

■ 87.5909, 0.3018,
0.3141

■ 73.4139, 0.3976,
0.4507

■ 88.7899, 0.3018,
0.3162

71.8866, 0.4103,
0.4672

90.0022, 0.3018,
0.3182

70.4976, 0.4208,
0.4799

91.2278, 0.3018,
0.3202

69.2335, 0.4285,
0.4880

92.4669, 0.3018,
0.3222

68.0780, 0.4335,
0.4918

93.7195, 0.3018,
0.3242

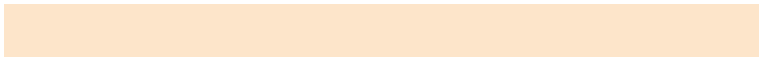
67.5033, 0.4354,
0.4925

94.9856, 0.3017,
0.3262

Harmonies

Analogous

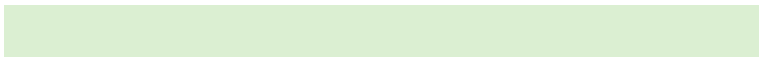
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1144, 0.3476, 0.3559



81.1144, 0.3353, 0.3626



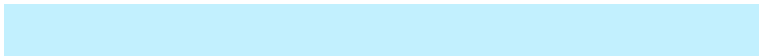
81.1144, 0.3171, 0.3600

Triad

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



81.1144, 0.3353, 0.3626



81.1144, 0.2764, 0.3138



81.1144, 0.3268, 0.3109

Complementary

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



81.1144, 0.3353, 0.3626



62.3291, 0.2890, 0.2930

Split Complementary

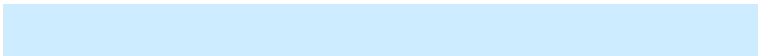
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1144, 0.3074, 0.3003



81.1144, 0.3353, 0.3626



81.1144, 0.2788, 0.3015

Square

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



81.1144, 0.3353, 0.3626



81.1144, 0.2834, 0.3310



81.1144, 0.2899, 0.2968



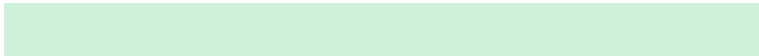
81.1144, 0.3427, 0.3260

Rectangle

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



81.1144, 0.3353, 0.3626



81.1144, 0.3043, 0.3530



81.1144, 0.2899, 0.2968



81.1144, 0.3204, 0.3067

Sweetspot

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



81.1180, 0.3353, 0.3626



98.8058, 0.3187, 0.3380



64.6778, 0.3376, 0.3253



21.1013, 0.3198, 0.3397



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.



81.1180, 0.3353, 0.3626



94.9127, 0.3405, 0.3703



80.5181, 0.3251, 0.3667



17.3940, 0.3270, 0.3503



36.9524, 0.4351, 0.4927



2.9665, 0.4327, 0.4947

Inverse Universe

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



62.3291, 0.2890, 0.2930



68.3885, 0.2831, 0.2840



62.9550, 0.2989, 0.2907



14.7556, 0.2980, 0.3067



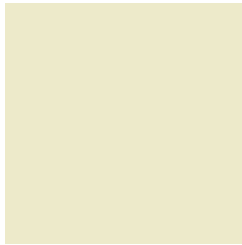
3.6931, 0.1516, 0.0657



0.3614, 0.1555, 0.0797

Previews

White Background



This preview shows how the Yxy color 81.1144, 0.3353, 0.3626 looks on a white background.

Color Contrast Check

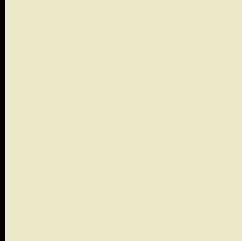
Large Text (above 18pt) WCAG AA × Fail

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 81.1144, 0.3353, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

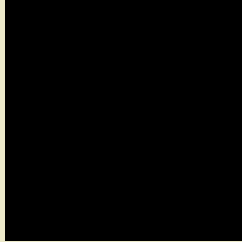
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

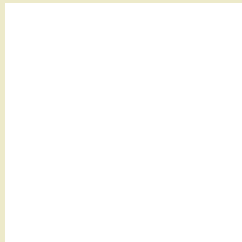
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1144, 0.3353, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 81.1144, 0.3353, 0.3626.



This preview shows how white text looks on a background with the Yxy color 81.1144, 0.3353, 0.3626.

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

81.1144, 0.3353, 0.3626

Protanopia

81.1634, 0.3413, 0.3611

Deuteranopia

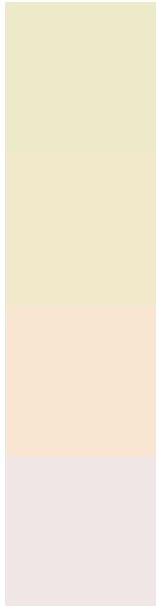
81.0532, 0.3413, 0.3421



Tritanopia

81.1953, 0.3115, 0.3110

Trichromacy



Original Color

81.1144, 0.3353, 0.3626

Protanomaly

81.1956, 0.3390, 0.3624

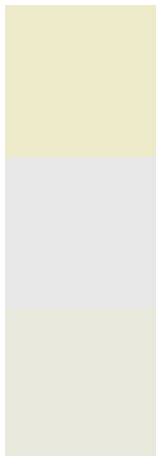
Deuteranomaly

81.2032, 0.3385, 0.3495

Tritanomaly

81.0076, 0.3203, 0.3290

Monochromacy



Original Color

81.1144, 0.3353, 0.3626

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2042, 0.3210, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1144, 0.3353, 0.3626 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, 234, 202)` looks like.

```
.text, #text, p{  
    color:rgb(237, 234, 202)  
}
```

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, 234, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 234, 202) }
```

Border

The CSS property to change the border of an element to Yxy 81.1144, 0.3353, 0.3626 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, 234, 202) }
```

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

```
.border{ border-color:rgb(237, 234, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 234, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 234, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 234, 202);  
box-shadow:4px 4px 4px 4px rgb(237, 234,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1144, 0.3353, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 234, 202) }
```

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

```
.background{ background-color: rgb(237,  
234, 202) }
```

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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