

Converting Colors

$Yxy(81.9418, 0.3555, 0.3997)$

Have a look what the booklet for
Yxy(81.9418, 0.3555, 0.3997)
contains.

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Color

Yxy(82.2285, 0.3559, 0.4004)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEAA
RGB	238, 238, 170
RGB Percent	93%, 93%, 67%
CMY	0.0667, 0.0666, 0.3333
CMYK	0.00, 0.00, 0.29, 0.07
HSL	60°, 67%, 80%
HSV	60°, 29%, 93%
XYZ	73.0897, 82.2285, 50.0477
YIQ	230.2480, 21.8280, -21.1480

Conversions

Conversions Part 2

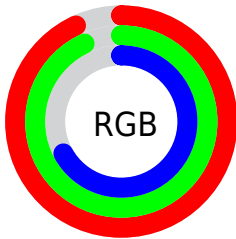
Format	Color
RYB	170, 238, 170
Decimal	15658666
CIELab	92.68, -10.35, 33.02
CIELCh	93, 34.606, 107.399
Yxy	82.2285, 0.3559, 0.4004
Android (android.graphics.Color)	4293848746 (0xFFEEEEAA)
YUV	230.2480, -29.7023, 6.7985
Hunter-Lab	90.6799, -14.8155, 30.7529

Details

The Yxy color **82.2285, 0.3559, 0.4004** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.4688, 0.2625, 0.2460**, and the grayscale version is **79.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **44.5640, 0.3647, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **81.4111, 0.3706, 0.4247**, and if you desaturate by 10%, it is **83.2164, 0.3407, 0.3752**.

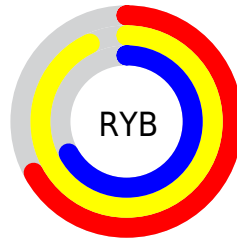
Distribution



Red (93%)

Green (93%)

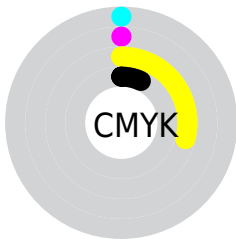
Blue (67%)



Red (67%)

Yellow (93%)

Blue (67%)

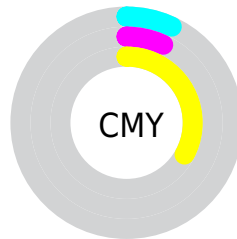


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (7%)


Magenta (7%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2285, 0.3559, 0.4004 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 82.2285, 0.3559, 0.4004 by changing the saturation by 10% instead.

 82.2285, 0.3559,
0.4004

 82.2285, 0.3559,
0.4004


502.4117, 0.3370,
0.3677

 61.5539, 0.3599,
0.4077

 136.4944, 0.3496,
0.3892

 44.6723, 0.3647,
0.4167


170.8545, 0.3470,
0.3848

 31.1994, 0.3705,
0.4278


210.5452, 0.3448,
0.3809

 20.7507, 0.3776,
0.4420

255.9509, 0.3429,
0.3776

 12.9419, 0.3862,
0.4606

307.4560, 0.3411,
0.3747

 7.3886, 0.3965,
0.4855

365.4449, 0.3396,

 3.7063, 0.4130,

0.3721

0.5266

430.3020, 0.3382,
0.3698

■ 1.5107, 0.4224,
0.5776

■ 0.2962, 0.0890,
0.9110

■ 82.2285, 0.3559,
0.4004

■ 82.2285, 0.3559,
0.4004

■ 81.4111, 0.3706,
0.4247

■ 83.2164, 0.3407,
0.3752

■ 80.7442, 0.3841,
0.4471

■ 84.3718, 0.3255,
0.3501


■ 80.2219, 0.3960,
0.4667


■ 85.7060, 0.3106,
0.3256

■ 79.8336, 0.4056,
0.4826


■ 86.5516, 0.3025,
0.3121

 79.5669, 0.4126,
0.4943


 86.5520, 0.3025,
0.3121


 79.4076, 0.4170,
0.5015


 86.5524, 0.3025,
0.3121

 79.3346, 0.4191,
0.5049

 86.5528, 0.3025,
0.3121

 79.3271, 0.4193,
0.5053

 86.5532, 0.3025,
0.3121

 86.5536, 0.3025,
0.3121

Harmonies

Analogous

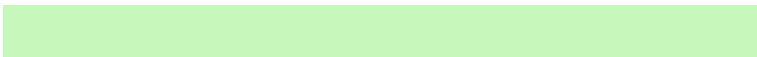
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2285, 0.3840, 0.3851



82.2285, 0.3559, 0.4004



82.2285, 0.3173, 0.3948

Triad

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



82.2285, 0.3559, 0.4004



82.2285, 0.2389, 0.2932



82.2285, 0.3448, 0.2944

Complementary

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



82.2285, 0.3559, 0.4004



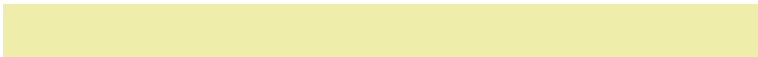
43.4688, 0.2625, 0.2460

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.



82.2285, 0.3040, 0.2729



82.2285, 0.3559, 0.4004



82.2285, 0.2450, 0.2706

Square

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



82.2285, 0.3559, 0.4004



82.2285, 0.2509, 0.3287



82.2285, 0.2680, 0.2641



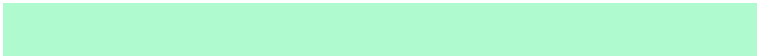
82.2285, 0.3781, 0.3242

Rectangle

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



82.2285, 0.3559, 0.4004



82.2285, 0.2911, 0.3785



82.2285, 0.2680, 0.2641



82.2285, 0.3314, 0.2860

Sweetspot

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



82.2322, 0.3559, 0.4004



98.6086, 0.3261, 0.3512



49.8293, 0.3758, 0.3292



21.0616, 0.3284, 0.3549



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.



82.2322, 0.3559, 0.4004



95.6167, 0.3642, 0.4141



76.8928, 0.3316, 0.4064



18.4590, 0.3268, 0.3523



44.2538, 0.4193, 0.5053



3.6815, 0.4193, 0.5053

Inverse Universe

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



43.4688, 0.2625, 0.2460



43.6949, 0.2510, 0.2270



47.7599, 0.2884, 0.2518



15.2289, 0.2979, 0.3046



3.4441, 0.1500, 0.0600



0.2865, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 82.2285, 0.3559, 0.4004 looks on a white background.

Color Contrast Check

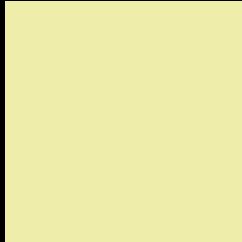
Large Text (above 18pt) WCAG AA × Fail

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 82.2285, 0.3559, 0.4004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

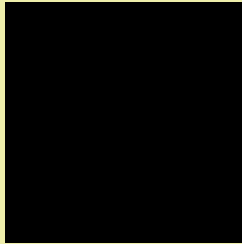
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.2285, 0.3559, 0.4004

Background



This preview shows how black text looks on a background with the Yxy color 82.2285, 0.3559, 0.4004.

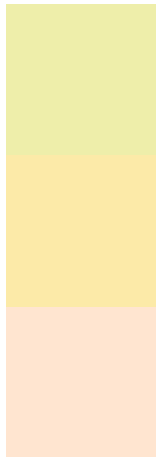


This preview shows how white text looks on a background with the Yxy color 82.2285, 0.3559, 0.4004.

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

82.2285, 0.3559, 0.4004

Protanopia

82.3682, 0.3686, 0.3962

Deuteranopia

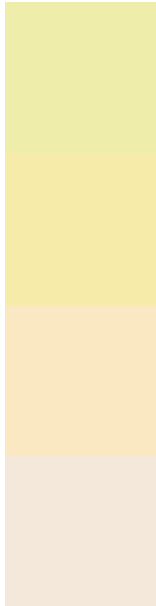
81.8527, 0.3450, 0.3502



Tritanopia

81.9148, 0.3142, 0.3111

Trichromacy



Original Color

82.2285, 0.3559, 0.4004

Protanomaly

82.0554, 0.3640, 0.3970

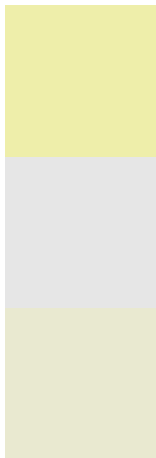
Deuteranomaly

81.7480, 0.3496, 0.3680

Tritanomaly

82.0083, 0.3300, 0.3434

Monochromacy



Original Color

82.2285, 0.3559, 0.4004

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.1555, 0.3287, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2285, 0.3559, 0.4004 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(238, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 170)  
}
```

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(238, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 170) }
```

Border

The CSS property to change the border of an element to Yxy 82.2285, 0.3559, 0.4004 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(238, 238, 170) }
```

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

```
.border{ border-color:rgb(238, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 238, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 238, 170); box-shadow:4px 4px 4px 4px rgb(238, 238, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2285, 0.3559, 0.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 170) }
```

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

```
.background{ background-color: rgb(238,  
238, 170) }
```

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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