

Converting Colors

$Yxy(80.5219, 0.3236, 0.3699)$

Have a look what the booklet for
Yxy(80.5219, 0.3236, 0.3699)
contains.

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Color

Yxy(80.5348, 0.3242, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	DCEEC8
RGB	220, 238, 200
RGB Percent	86%, 93%, 78%
CMY	0.1371, 0.0667, 0.2156
CMYK	0.08, 0.00, 0.16, 0.07
HSL	88°, 53%, 86%
HSV	88°, 16%, 93%
XYZ	70.5278, 80.5348, 66.4815
YIQ	228.2860, 1.4700, -15.6340

Conversions

Conversions Part 2

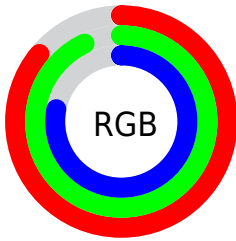
Format	Color
R_{YB}	200, 238, 218
Decimal	14479048
CIE _{Lab}	91.92, -12.53, 16.40
CIE _{LCh}	92, 20.640, 127.363
Yxy	80.5348, 0.3242, 0.3702
Android (android.graphics.Color)	4292669128 (0xFFDCEEC8)
YUV	228.2860, -13.9450, -7.2668
Hunter-Lab	89.7412, -16.7636, 18.8960

Details

The Yxy color **80.5348, 0.3242, 0.3702** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.3888, 0.2997, 0.2877**, and the grayscale version is **77.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5306, 0.3267, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **77.8142, 0.3312, 0.3985**, and if you desaturate by 10%, it is **83.5537, 0.3170, 0.3438**.

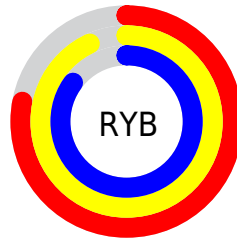
Distribution



Red (86%)

Green (93%)

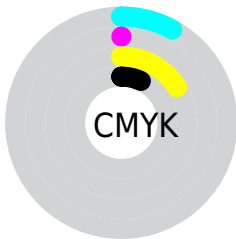
Blue (78%)



Red (78%)

Yellow (93%)

Blue (85%)

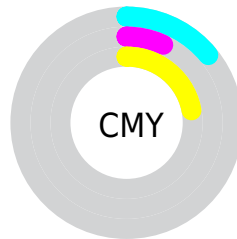


Cyan (8%)

Magenta (0%)

Yellow (16%)

Black (7%)



Cyan (14%)

Magenta (7%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5348, 0.3242, 0.3702 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 80.5348, 0.3242, 0.3702 by changing the saturation by 10% instead.

80.5348, 0.3242,
0.3702

80.5348, 0.3242,
0.3702

496.7333, 0.3192,
0.3511

60.1585, 0.3253,
0.3746

134.1174, 0.3225,
0.3635

43.5464, 0.3265,
0.3800

168.0925, 0.3219,
0.3610

30.3141, 0.3281,
0.3869

207.3693, 0.3213,
0.3587

20.0771, 0.3300,
0.3959

252.3323, 0.3208,
0.3568

12.4511, 0.3324,
0.4082

303.3658, 0.3203,
0.3551

7.0517, 0.3355,
0.4258


360.8542, 0.3199,


3.4944, 0.3392,


0.3536


0.4533


425.1819, 0.3195,
0.3523


 1.3950, 0.3613,
0.5286


 0.2130, 0.0000,
1.0000

 80.5348, 0.3242,
0.3702


 80.5348, 0.3242,
0.3702


 77.8142, 0.3312,
0.3985


 83.5537, 0.3170,
0.3438

 75.3710, 0.3375,
0.4280

 86.8700, 0.3098,
0.3194

 73.1977, 0.3429,
0.4577

 89.3936, 0.3127,
0.3126

 71.2826, 0.3468,
0.4866

 89.6237, 0.3135,
0.3127

■ 69.6127, 0.3489,
0.5131

■ 68.1735, 0.3487,
0.5357

■ 66.9487, 0.3462,
0.5532

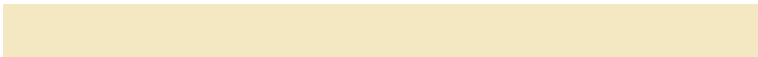
■ 65.9184, 0.3415,
0.5650

■ 65.5453, 0.3394,
0.5687

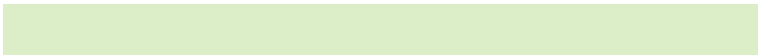
Harmonies

Analogous

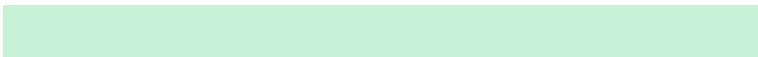
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5348, 0.3458, 0.3701



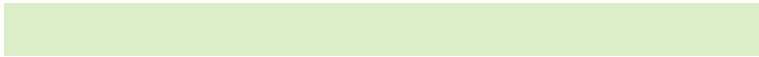
80.5348, 0.3242, 0.3702



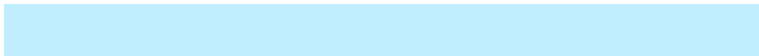
80.5348, 0.3001, 0.3580

Triad

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



80.5348, 0.3242, 0.3702



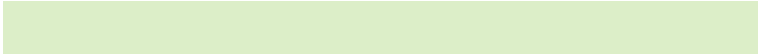
80.5348, 0.2685, 0.2975



80.5348, 0.3461, 0.3200

Complementary

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



80.5348, 0.3242, 0.3702



62.3888, 0.2997, 0.2877

Split Complementary

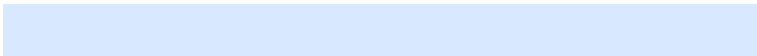
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5348, 0.3242, 0.3024



80.5348, 0.3242, 0.3702



80.5348, 0.2797, 0.2894

Square

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



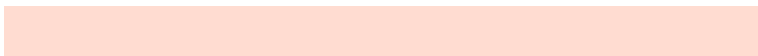
80.5348, 0.3242, 0.3702



80.5348, 0.2686, 0.3147



80.5348, 0.2999, 0.2914



80.5348, 0.3590, 0.3404

Rectangle

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



80.5348, 0.3242, 0.3702



80.5348, 0.2859, 0.3446



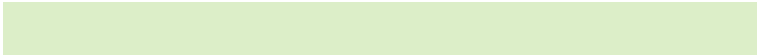
80.5348, 0.2999, 0.2914



80.5348, 0.3396, 0.3137

Sweetspot

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



80.5383, 0.3242, 0.3702



98.0812, 0.3163, 0.3414



72.3541, 0.3399, 0.3480



20.9372, 0.3168, 0.3432



0.0000, 0.0000, 0.0000



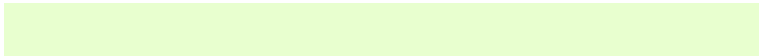
21.4041, 0.3127, 0.3290

Same Dimension

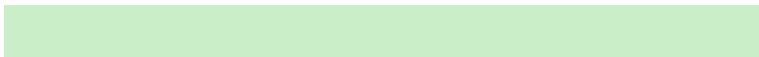
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5383, 0.3242, 0.3702



93.1771, 0.3264, 0.3788



77.7717, 0.3115, 0.3718



18.0667, 0.3195, 0.3528



36.6486, 0.3405, 0.5679



3.1080, 0.3501, 0.5602

Inverse Universe

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



62.3888, 0.2997, 0.2877



68.3585, 0.2967, 0.2790



65.4470, 0.3136, 0.2894



15.5949, 0.3054, 0.3051



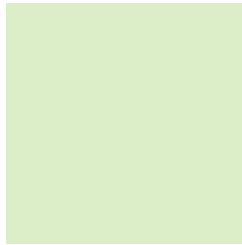
5.4578, 0.1971, 0.0860



0.5128, 0.2116, 0.0939

Previews

White Background



This preview shows how the Yxy color 80.5348, 0.3242, 0.3702 looks on a white background.

Color Contrast Check

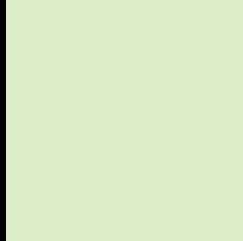
Large Text (above 18pt) WCAG AA × Fail

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 80.5348, 0.3242, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

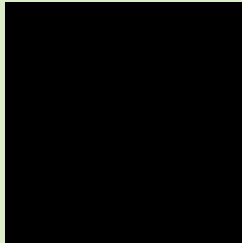
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

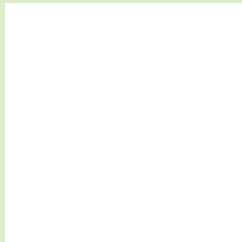
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5348, 0.3242, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 80.5348, 0.3242, 0.3702.

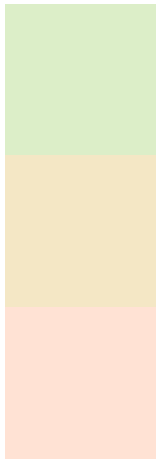


This preview shows how white text looks on a background with the Yxy color 80.5348, 0.3242, 0.3702.

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

80.5348, 0.3242, 0.3702

Protanopia

80.4161, 0.3442, 0.3643

Deuteranopia

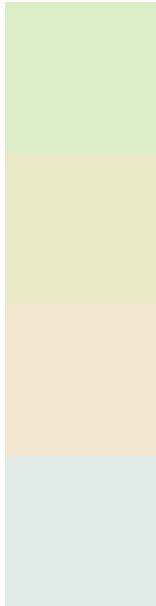
80.4062, 0.3428, 0.3432



Tritanopia

80.3223, 0.2990, 0.3105

Trichromacy



Original Color

80.5348, 0.3242, 0.3702

Protanomaly

80.5850, 0.3365, 0.3670

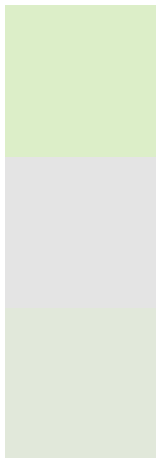
Deuteranomaly

80.0249, 0.3355, 0.3519

Tritanomaly

80.4625, 0.3079, 0.3321

Monochromacy



Original Color

80.5348, 0.3242, 0.3702

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.7827, 0.3168, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5348, 0.3242, 0.3702 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(220, 238, 200)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 200)  
}
```

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(220, 238, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 200) }
```

Border

The CSS property to change the border of an element to Yxy 80.5348, 0.3242, 0.3702 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(220, 238, 200) }
```

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

```
.border{ border-color:rgb(220, 238, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 200);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5348, 0.3242, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 200) }
```

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

```
.background{ background-color: rgb(220,  
238, 200) }
```

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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