

Converting Colors

$Yxy(78.8820, 0.3212, 0.3626)$

Have a look what the booklet for
Yxy(78.8820, 0.3212, 0.3626)
contains.

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Color

Yxy(78.8364, 0.3213, 0.3628)

Conversions

Conversions Part 1

Format	Color
Hex	DBEBCC
RGB	219, 235, 204
RGB Percent	86%, 92%, 80%
CMY	0.1412, 0.0784, 0.2001
CMYK	0.07, 0.00, 0.13, 0.08
HSL	91°, 44%, 86%
HSV	91°, 13%, 92%
XYZ	69.8185, 78.8364, 68.6450
YIQ	226.6820, 0.4150, -13.0330

Conversions

Conversions Part 2

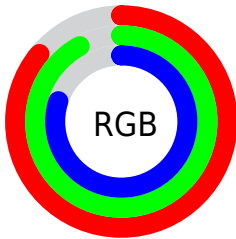
Format	Color
RYB	204, 235, 220
Decimal	14412748
CIELab	91.16, -10.75, 13.27
CIELCh	91, 17.078, 129.032
Yxy	78.8364, 0.3213, 0.3628
Android (android.graphics.Color)	4292602828 (0xFFDBEBCC)
YUV	226.6820, -11.1822, -6.7371
Hunter-Lab	88.7899, -15.0217, 16.3147

Details

The Yxy color $78.8364, 0.3213, 0.3628$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $64.3829, 0.3031, 0.2953$, and the grayscale version is $76.6564, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.3347, 0.3230, 0.3702$ is the 20% darker color. If you saturate the color by 10%, you get $75.9843, 0.3276, 0.3908$, and if you desaturate by 10%, it is $82.0024, 0.3148, 0.3368$.

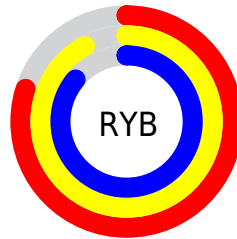
Distribution



Red (86%)

Green (92%)

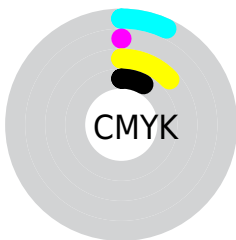
Blue (80%)



Red (80%)

Yellow (92%)

Blue (86%)

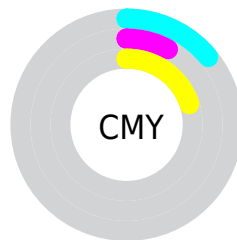


Cyan (7%)

Magenta (0%)

Yellow (13%)

Black (8%)



Cyan (14%)


Magenta (8%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8364, 0.3213, 0.3628 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 78.8364, 0.3213, 0.3628 by changing the saturation by 10% instead.


 78.8364, 0.3213,
0.3628

 78.8364, 0.3213,
0.3628


491.0027, 0.3175,
0.3471

 58.7613, 0.3221,
0.3664


131.7285, 0.3200,
0.3573

 42.4210, 0.3231,
0.3709


165.3143, 0.3195,
0.3552

 29.4311, 0.3243,
0.3765


204.1725, 0.3191,
0.3534

 19.4072, 0.3258,
0.3840

248.6875, 0.3187,
0.3518

 11.9649, 0.3277,
0.3942

299.2436, 0.3184,
0.3504

 6.7198, 0.3302,
0.4089

356.2252, 0.3181,

 3.2875, 0.3334,

0.3492

0.4321

420.0168, 0.3178,
0.3481

■ 1.2836, 0.3494,
0.4908

■ 0.1284, 0.0000,
1.0000

■ 78.8364, 0.3213,
0.3628

■ 78.8364, 0.3213,
0.3628

■ 75.9843, 0.3276,
0.3908

■ 82.0024, 0.3148,
0.3368

■ 73.4252, 0.3335,
0.4204

■ 85.4819, 0.3083,
0.3132

■ 71.1515, 0.3384,
0.4507

■ 87.9010, 0.3136,
0.3097

■ 69.1511, 0.3421,
0.4807

■ 67.4111, 0.3440,
0.5087

■ 65.9172, 0.3439,
0.5333

■ 64.6530, 0.3416,
0.5529

■ 63.5997, 0.3372,
0.5668

■ 62.9863, 0.3335,
0.5734

Harmonies

Analogous

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



78.8364, 0.3395, 0.3635



78.8364, 0.3213, 0.3628



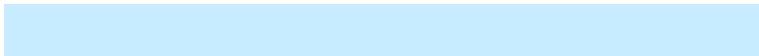
78.8364, 0.3012, 0.3521

Triad

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



78.8364, 0.3213, 0.3628



78.8364, 0.2760, 0.3022



78.8364, 0.3414, 0.3225

Complementary

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



78.8364, 0.3213, 0.3628



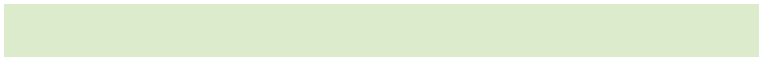
64.3829, 0.3031, 0.2953

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.



78.8364, 0.3235, 0.3074



78.8364, 0.3213, 0.3628



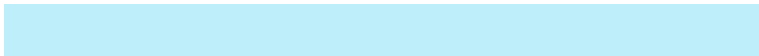
78.8364, 0.2859, 0.2957

Square

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



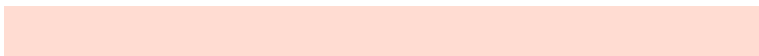
78.8364, 0.3213, 0.3628



78.8364, 0.2755, 0.3163



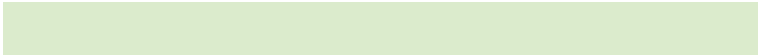
78.8364, 0.3032, 0.2977



78.8364, 0.3514, 0.3396

Rectangle

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



78.8364, 0.3213, 0.3628



78.8364, 0.2895, 0.3410



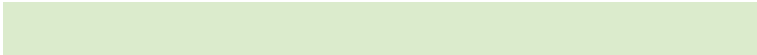
78.8364, 0.3032, 0.2977



78.8364, 0.3361, 0.3171

Sweetspot

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



78.8398, 0.3213, 0.3628



98.3764, 0.3153, 0.3389



72.9407, 0.3346, 0.3456



20.9927, 0.3158, 0.3408



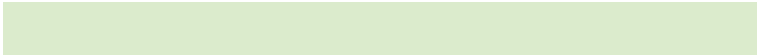
0.0000, 0.0000, 0.0000



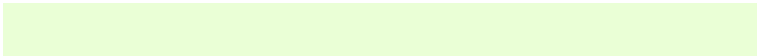
21.4041, 0.3127, 0.3290

Same Dimension

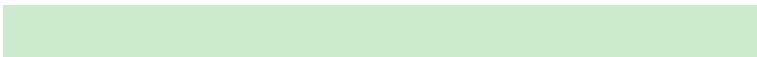
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8398, 0.3213, 0.3628



93.8710, 0.3231, 0.3706



76.6126, 0.3111, 0.3639



17.2201, 0.3189, 0.3528



35.1276, 0.3346, 0.5725



2.8154, 0.3452, 0.5641

Inverse Universe

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



64.3829, 0.3031, 0.2953



73.1174, 0.3008, 0.2875



66.8344, 0.3142, 0.2964



14.9309, 0.3061, 0.3052



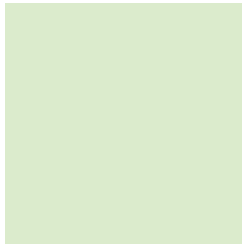
5.6844, 0.2056, 0.0906



0.5036, 0.2203, 0.0987

Previews

White Background



This preview shows how the Yxy color 78.8364, 0.3213, 0.3628 looks on a white background.

Color Contrast Check

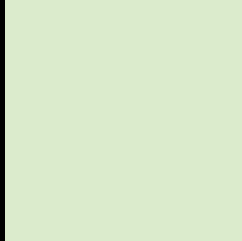
Large Text (above 18pt) WCAG AA × Fail

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 78.8364, 0.3213, 0.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

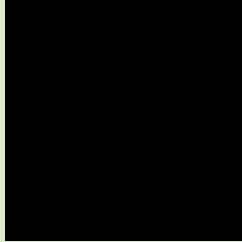
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

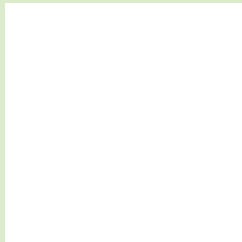
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8364, 0.3213, 0.3628

Background



This preview shows how black text looks on a background with the Yxy color 78.8364, 0.3213, 0.3628.

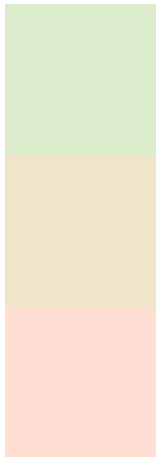


This preview shows how white text looks on a background with the Yxy color 78.8364, 0.3213, 0.3628.

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

78.8364, 0.3213, 0.3628

Protanopia

78.7809, 0.3389, 0.3584

Deuteranopia

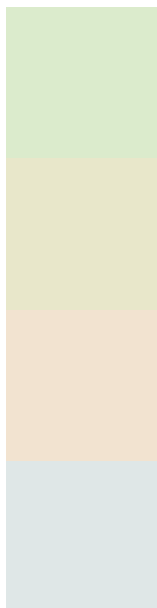
78.7385, 0.3440, 0.3412



Tritanopia

78.9228, 0.2995, 0.3103

Trichromacy



Original Color

78.8364, 0.3213, 0.3628

Protanomaly

78.5719, 0.3322, 0.3599

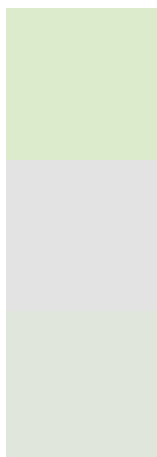
Deuteranomaly

78.3695, 0.3359, 0.3488

Tritanomaly

78.6093, 0.3073, 0.3290

Monochromacy



Original Color

78.8364, 0.3213, 0.3628

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.5554, 0.3156, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8364, 0.3213, 0.3628 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(219, 235, 204)` looks like.

```
.text, #text, p{  
    color:rgb(219, 235, 204)  
}
```

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(219, 235, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 235, 204) }
```

Border

The CSS property to change the border of an element to Yxy 78.8364, 0.3213, 0.3628 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(219, 235, 204) }
```

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

```
.border{ border-color:rgb(219, 235, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 235, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 235,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8364, 0.3213, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 235, 204) }
```

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

```
.background{ background-color: rgb(219,  
235, 204) }
```

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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