

Converting Colors

$Y_{xy}(100.0000, 0.3256, 0.4036)$

Have a look what the booklet for
Yxy(100.0000, 0.3256, 0.4036)
contains.

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Color

Yxy(91.3528, 0.3273, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFC4
RGB	224, 255, 196
RGB Percent	88%, 100%, 77%
CMY	0.1214, 0.0000, 0.2314
CMYK	0.12, 0.00, 0.23, 0.00
HSL	91°, 100%, 88%
HSV	91°, 23%, 100%
XYZ	76.4700, 91.3528, 65.8161
YIQ	239.0050, 0.4630, -24.9210

Conversions

Conversions Part 2

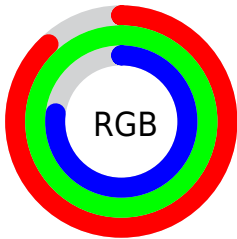
Format	Color
RYB	196, 255, 227
Decimal	14745540
CIELab	96.56, -20.11, 24.96
CIELCh	97, 32.053, 128.868
Yxy	91.3528, 0.3273, 0.3910
Android (android.graphics.Color)	4292935620 (0xFFE0FFC4)
YUV	239.0050, -21.2015, -13.1594
Hunter-Lab	95.5787, -24.4494, 26.0776

Details

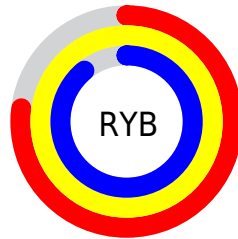
The Yxy color **91.3528, 0.3273, 0.3910** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.0153, 0.2948, 0.2675**, and the grayscale version is **86.4940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **50.6660, 0.3296, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **88.2377, 0.3330, 0.4208**, and if you desaturate by 10%, it is **94.8414, 0.3211, 0.3628**.

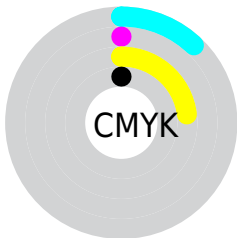
Distribution



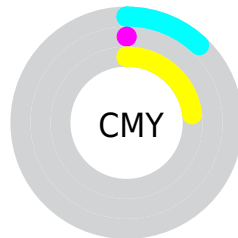
- Red (88%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (89%)



- Cyan (12%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.3528, 0.3273, 0.3910 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 91.3528, 0.3273, 0.3910 by changing the saturation by 10% instead.

 91.3528, 0.3273,
0.3910

 91.3528, 0.3273,
0.3910


532.4217, 0.3214,
0.3626

 69.1032, 0.3285,
0.3974


149.2161, 0.3254,
0.3812

 50.7958, 0.3298,
0.4053


185.5985, 0.3246,
0.3774

 36.0461, 0.3314,
0.4151


227.4607, 0.3239,
0.3741

 24.4698, 0.3331,
0.4279

275.1871, 0.3233,
0.3712

 15.6825, 0.3351,
0.4449

329.1619, 0.3227,
0.3687

 9.2997, 0.3371,
0.4688

389.7697, 0.3222,

 4.9372, 0.3382,

0.3664

0.5041

457.3949, 0.3218,
0.3644

■ 2.2105, 0.3492,
0.5845

■ 0.7257, 0.2150,
0.7850

■ 91.3528, 0.3273,
0.3910

■ 91.3528, 0.3273,
0.3910

■ 88.2377, 0.3330,
0.4208

■ 94.8414, 0.3211,
0.3628

■ 85.4704, 0.3378,
0.4514

■ 98.7047, 0.3147,
0.3367

■ 83.0401, 0.3414,
0.4816

■ 99.9994, 0.3127,
0.3290

■ 80.9306, 0.3431,
0.5098

■ 79.1241, 0.3429,
0.5346

■ 77.6007, 0.3404,
0.5543

■ 76.3367, 0.3358,
0.5681

■ 75.5987, 0.3320,
0.5746

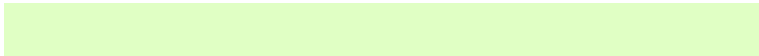
Harmonies

Analogous

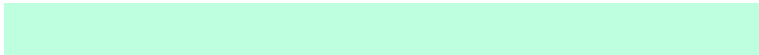
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3528, 0.3601, 0.3907



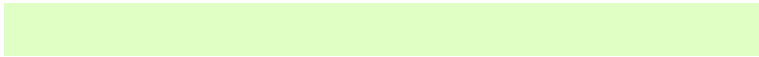
91.3528, 0.3273, 0.3910



91.3528, 0.2918, 0.3716

Triad

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



91.3528, 0.3273, 0.3910



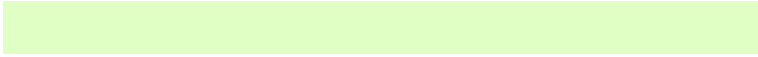
91.3528, 0.2485, 0.2811



91.3528, 0.3640, 0.3168

Complementary

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



91.3528, 0.3273, 0.3910



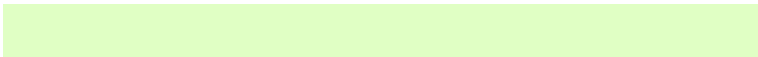
63.0153, 0.2948, 0.2675

Split Complementary

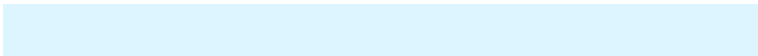
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3528, 0.3313, 0.2913



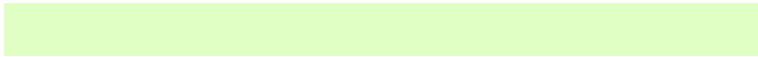
91.3528, 0.3273, 0.3910



91.3528, 0.2653, 0.2707

Square

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



91.3528, 0.3273, 0.3910



91.3528, 0.2477, 0.3054



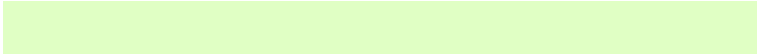
91.3528, 0.2950, 0.2748



91.3528, 0.3824, 0.3461

Rectangle

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



91.3528, 0.3273, 0.3910



91.3528, 0.2714, 0.3506



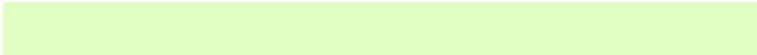
91.3528, 0.2950, 0.2748



91.3528, 0.3542, 0.3076

Sweetspot

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



91.3568, 0.3273, 0.3910



97.1699, 0.3172, 0.3465



79.8961, 0.3539, 0.3600



20.7480, 0.3176, 0.3481



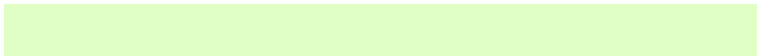
0.0000, 0.0000, 0.0000



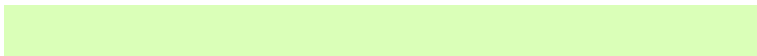
21.4041, 0.3127, 0.3290

Same Dimension

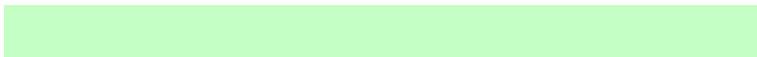
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3568, 0.3273, 0.3910



89.7979, 0.3302, 0.4053



87.2827, 0.3091, 0.3933



20.5915, 0.3188, 0.3531



39.5897, 0.3331, 0.5737



3.9192, 0.3418, 0.5668

Inverse Universe

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



63.0153, 0.2948, 0.2675



56.7173, 0.2902, 0.2534



67.8892, 0.3161, 0.2721



17.8467, 0.3061, 0.3050



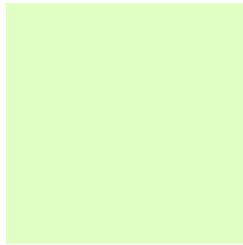
6.5020, 0.2070, 0.0914



0.6981, 0.2190, 0.0980

Previews

White Background



This preview shows how the Yxy color 91.3528, 0.3273, 0.3910 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 91.3528, 0.3273, 0.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

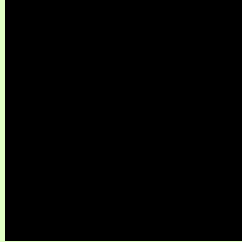
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

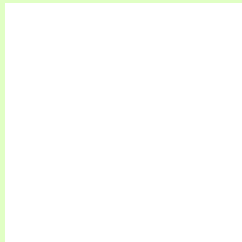
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.3528, 0.3273, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 91.3528, 0.3273, 0.3910.

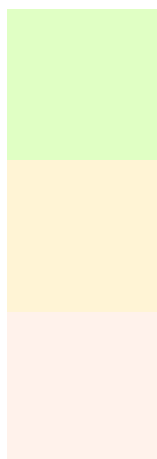


This preview shows how white text looks on a background with the Yxy color 91.3528, 0.3273, 0.3910.

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

91.3528, 0.3273, 0.3910

Protanopia

90.7655, 0.3392, 0.3597

Deuteranopia

90.7624, 0.3256, 0.3359



Tritanopia

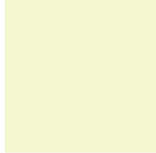
91.0501, 0.3037, 0.3191

Trichromacy



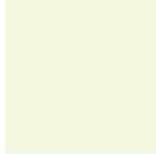
Original Color

91.3528, 0.3273, 0.3910



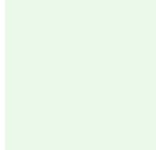
Protanomaly

90.8729, 0.3349, 0.3705



Deuteranomaly

90.9751, 0.3264, 0.3552



Tritanomaly

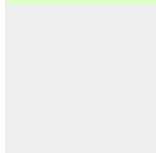
91.1843, 0.3120, 0.3442

Monochromacy



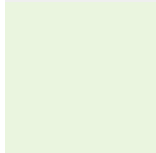
Original Color

91.3528, 0.3273, 0.3910



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.1250, 0.3188, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.3528, 0.3273, 0.3910 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(224, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 196)  
}
```

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(224, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 91.3528, 0.3273, 0.3910 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(224, 255, 196) }
```

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

```
.border{ border-color:rgb(224, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(224, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 91.3528, 0.3273, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 196) }
```

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

```
.background{ background-color: rgb(224,  
255, 196) }
```

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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