

Converting Colors

$Y_{xy}(100.0000, 0.3181, 0.4022)$

Have a look what the booklet for
Yxy(100.0000, 0.3181, 0.4022)
contains.

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Color

Yxy(90.1372, 0.3192, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFC8
RGB	215, 255, 200
RGB Percent	84%, 100%, 78%
CMY	0.1569, 0.0000, 0.2156
CMYK	0.16, 0.00, 0.22, 0.00
HSL	104°, 100%, 89%
HSV	104°, 22%, 100%
XYZ	74.2115, 90.1372, 68.1434
YIQ	236.7700, -6.1850, -25.5850

Conversions

Conversions Part 2

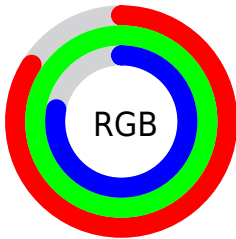
Format	Color
R _Y B	200, 255, 240
Decimal	14155720
CIE Lab	96.05, -22.58, 22.12
CIE LCh	96, 31.608, 135.583
Yxy	90.1372, 0.3192, 0.3877
Android (android.graphics.Color)	4292345800 (0xFFD7FFC8)
YUV	236.7700, -18.1276, -19.0923
Hunter-Lab	94.9406, -26.6194, 23.9031

Details

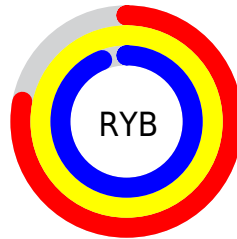
The Yxy color **90.1372, 0.3192, 0.3877** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0687, 0.3043, 0.2734**, and the grayscale version is **84.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9371, 0.3202, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **86.3923, 0.3217, 0.4189**, and if you desaturate by 10%, it is **94.4018, 0.3163, 0.3589**.

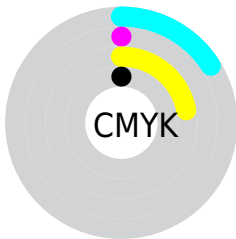
Distribution



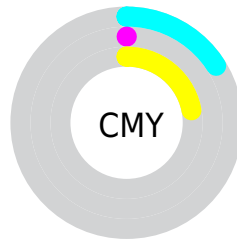
- Red (84%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (94%)



- Cyan (16%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1372, 0.3192, 0.3877 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 90.1372, 0.3192, 0.3877 by changing the saturation by 10% instead.

 90.1372, 0.3192,
0.3877

 90.1372, 0.3192,
0.3877

528.4771, 0.3168,
0.3607

 68.0944, 0.3196,
0.3938


147.5290, 0.3185,
0.3783

 49.9746, 0.3200,
0.4014


183.6467, 0.3182,
0.3747

 35.3932, 0.3204,
0.4109


225.2250, 0.3179,
0.3716

 23.9659, 0.3208,
0.4233

272.6481, 0.3176,
0.3688

 15.3083, 0.3210,
0.4399

326.3005, 0.3174,
0.3664

 9.0361, 0.3205,
0.4635

386.5665, 0.3172,

 4.7647, 0.3184,

0.3643

0.4992

453.8306, 0.3170,
0.3624

■ 2.1099, 0.3197,
0.5745

■ 0.6702, 0.1135,
0.8865

■ 90.1372, 0.3192,
0.3877

■ 90.1372, 0.3192,
0.3877

■ 86.3923, 0.3217,
0.4189

■ 94.4018, 0.3163,
0.3589

■ 83.1431, 0.3235,
0.4518

■ 99.2019, 0.3132,
0.3328

■ 80.3690, 0.3243,
0.4850

■ 100.0000, 0.3127,
0.3290

■ 78.0464, 0.3239,
0.5168

■ 76.1495, 0.3222,
0.5451

■ 74.6494, 0.3190,
0.5677

■ 73.5134, 0.3147,
0.5834

■ 72.8024, 0.3107,
0.5915

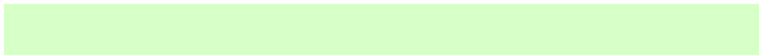
Harmonies

Analogous

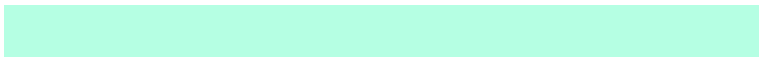
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1372, 0.3531, 0.3918



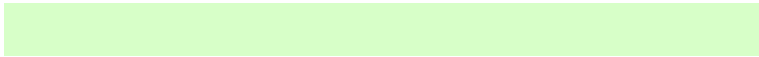
90.1372, 0.3192, 0.3877



90.1372, 0.2848, 0.3647

Triad

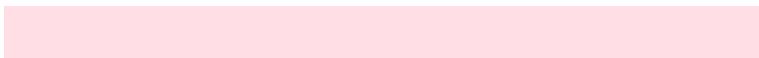
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1372, 0.3192, 0.3877



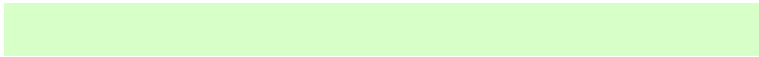
90.1372, 0.2515, 0.2780



90.1372, 0.3691, 0.3233

Complementary

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



90.1372, 0.3192, 0.3877



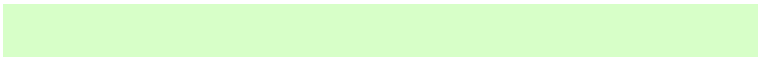
67.0687, 0.3043, 0.2734

Split Complementary

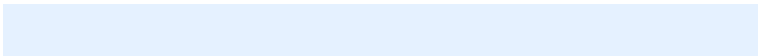
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1372, 0.3391, 0.2967



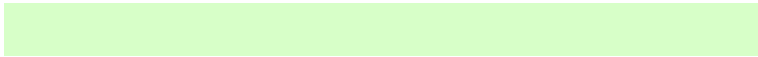
90.1372, 0.3192, 0.3877



90.1372, 0.2714, 0.2710

Square

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



90.1372, 0.3192, 0.3877



90.1372, 0.2470, 0.2992



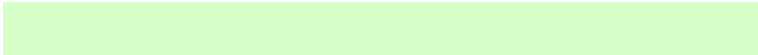
90.1372, 0.3030, 0.2780



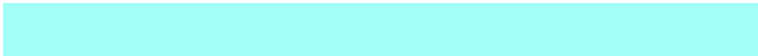
90.1372, 0.3832, 0.3525

Rectangle

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



90.1372, 0.3192, 0.3877



90.1372, 0.2661, 0.3427



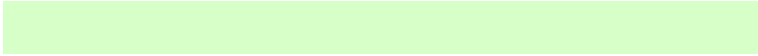
90.1372, 0.3030, 0.2780



90.1372, 0.3605, 0.3139

Sweetspot

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



90.1384, 0.3192, 0.3877



97.0030, 0.3146, 0.3440



87.4124, 0.3484, 0.3684



20.6954, 0.3148, 0.3457



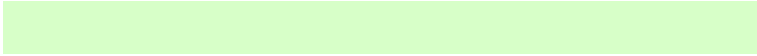
0.0000, 0.0000, 0.0000



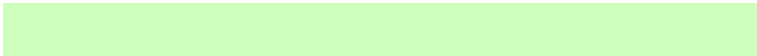
21.4041, 0.3127, 0.3290

Same Dimension

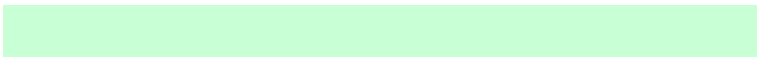
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1384, 0.3192, 0.3877



88.4122, 0.3204, 0.4013



88.5528, 0.3033, 0.3759



20.4075, 0.3157, 0.3533



38.1035, 0.3117, 0.5907



3.7612, 0.3196, 0.5844

Inverse Universe

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



67.0687, 0.3043, 0.2734



61.4802, 0.3021, 0.2613



69.0558, 0.3237, 0.2863



18.0370, 0.3094, 0.3053



9.2744, 0.2527, 0.1166



0.9571, 0.2608, 0.1210

Previews

White Background



This preview shows how the Yxy color 90.1372, 0.3192, 0.3877 looks on a white background.

Color Contrast Check

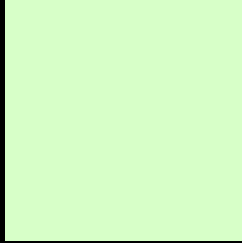
Large Text (above 18pt) WCAG AA × Fail

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 90.1372, 0.3192, 0.3877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

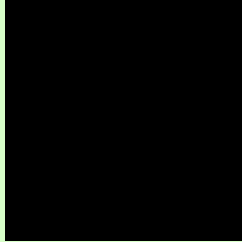
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

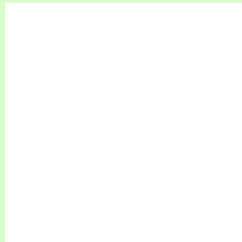
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1372, 0.3192, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 90.1372, 0.3192, 0.3877.

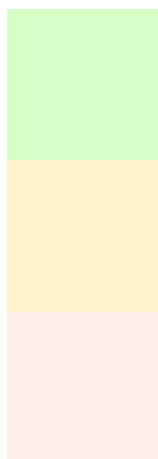


This preview shows how white text looks on a background with the Yxy color 90.1372, 0.3192, 0.3877.

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

90.1372, 0.3192, 0.3877

Protanopia

89.8174, 0.3439, 0.3658

Deuteranopia

89.4064, 0.3277, 0.3369



Tritanopia

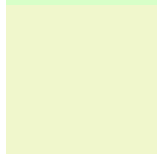
90.0172, 0.2999, 0.3190

Trichromacy



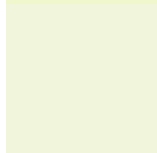
Original Color

90.1372, 0.3192, 0.3877



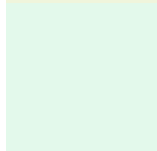
Protanomaly

89.4064, 0.3342, 0.3730



Deuteranomaly

88.9974, 0.3246, 0.3544



Tritanomaly

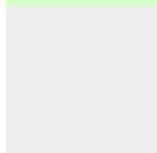
90.0804, 0.3070, 0.3433

Monochromacy



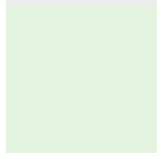
Original Color

90.1372, 0.3192, 0.3877



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7412, 0.3150, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1372, 0.3192, 0.3877 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(215, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 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(215, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 90.1372, 0.3192, 0.3877 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(215, 255, 200) }
```

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

```
.border{ border-color:rgb(215, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1372, 0.3192, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 200) }
```

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

```
.background{ background-color: rgb(215,  
255, 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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