

Converting Colors

$Y_{xy}(100.0000, 0.3138, 0.3817)$

Have a look what the booklet for
Yxy(100.0000, 0.3138, 0.3817)
contains.

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Color

Yxy(92.0075, 0.3145, 0.3697)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DEFFD8 |
| RGB | 222, 255, 216 |
| RGB Percent | 87%, 100%, 85% |
| CMY | 0.1295, 0.0000, 0.1530 |
| CMYK | 0.13, 0.00, 0.15, 0.00 |
| HSL | 111°, 100%, 92% |
| HSV | 111°, 15%, 100% |
| XYZ | 78.2698, 92.0075, 78.5934 |
| YIQ | 240.6870, -7.1490, -19.1250 |

Conversions

Conversions Part 2

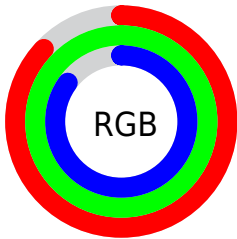
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 216, 255, 249 |
| Decimal | 14614488 |
| CIE Lab | 96.82, -17.65, 15.12 |
| CIE LCh | 97, 23.239, 139.422 |
| Yxy | 92.0075, 0.3145, 0.3697 |
| Android (android.graphics.Color) | 4292804568 (0xFFDEFFD8) |
| YUV | 240.6870, -12.1707, -16.3885 |
| Hunter-Lab | 95.9205, -22.2074, 18.5646 |

Details

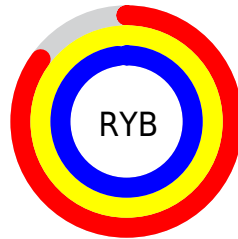
The Yxy color **92.0075, 0.3145, 0.3697** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.4727, 0.3103, 0.2905**, and the grayscale version is **87.7959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.1769, 0.3151, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **87.5897, 0.3154, 0.4002**, and if you desaturate by 10%, it is **97.0550, 0.3134, 0.3423**.

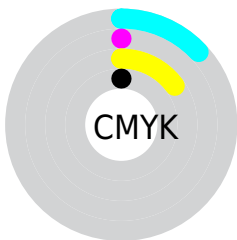
Distribution



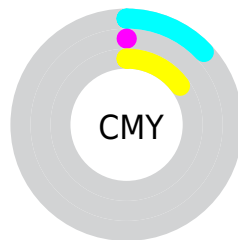
- Red (87%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.0075, 0.3145, 0.3697 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 92.0075, 0.3145, 0.3697 by changing the saturation by 10% instead.

 92.0075, 0.3145,
0.3697

 92.0075, 0.3145,
0.3697

534.5398, 0.3140,
0.3512

 69.6469, 0.3146,
0.3739

150.1238, 0.3144,
0.3633

 51.2387, 0.3146,
0.3790


186.6482, 0.3143,
0.3608

 36.3986, 0.3146,
0.3854


228.6627, 0.3142,
0.3587

 24.7422, 0.3146,
0.3937

276.5516, 0.3142,
0.3568

 15.8851, 0.3143,
0.4048

330.6994, 0.3141,
0.3551

 9.4429, 0.3138,
0.4206

391.4904, 0.3141,

 5.0312, 0.3124,

0.3537

0.4443

459.3091, 0.3140,
0.3523

■ 2.2656, 0.3085,
0.4841

■ 0.7554, 0.2754,
0.7246

■ 92.0075, 0.3145,
0.3697

■ 92.0075, 0.3145,
0.3697

■ 87.5897, 0.3154,
0.4002

■ 97.0550, 0.3134,
0.3423

■ 83.7933, 0.3158,
0.4332

100.0000, 0.3127,
0.3290

■ 80.5847, 0.3157,
0.4677

■ 77.9343, 0.3150,
0.5022

■ 75.8095, 0.3134,
0.5342

■ 74.1745, 0.3111,
0.5613

■ 72.9887, 0.3082,
0.5815

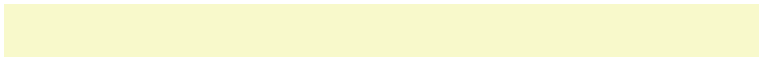
■ 72.2046, 0.3050,
0.5936

■ 71.9523, 0.3037,
0.5971

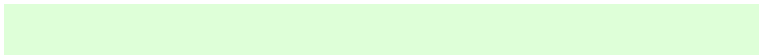
Harmonies

Analogous

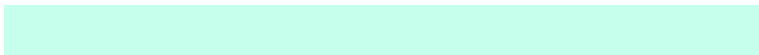
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0075, 0.3397, 0.3750



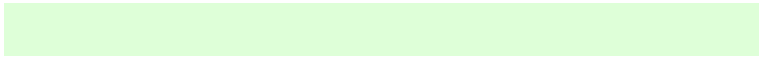
92.0075, 0.3145, 0.3697



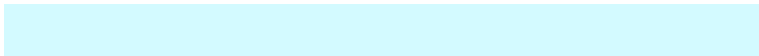
92.0075, 0.2895, 0.3519

Triad

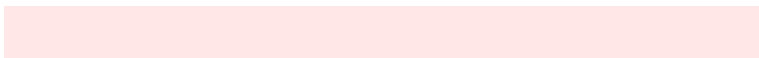
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.0075, 0.3145, 0.3697



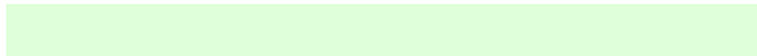
92.0075, 0.2687, 0.2903



92.0075, 0.3558, 0.3280

Complementary

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



92.0075, 0.3145, 0.3697



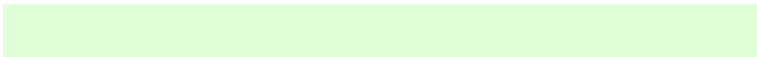
76.4727, 0.3103, 0.2905

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.



92.0075, 0.3353, 0.3074



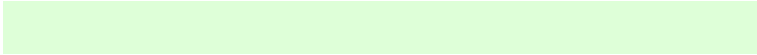
92.0075, 0.3145, 0.3697



92.0075, 0.2850, 0.2860

Square

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



92.0075, 0.3145, 0.3697



92.0075, 0.2638, 0.3051



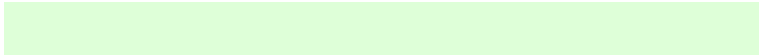
92.0075, 0.3092, 0.2923



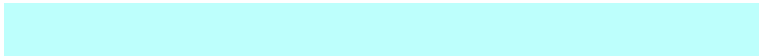
92.0075, 0.3642, 0.3496

Rectangle

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



92.0075, 0.3145, 0.3697



92.0075, 0.2763, 0.3360



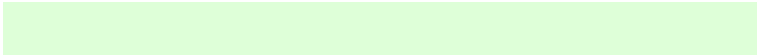
92.0075, 0.3092, 0.2923



92.0075, 0.3501, 0.3208

Sweetspot

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



92.0017, 0.3145, 0.3697



97.2152, 0.3133, 0.3415



93.6594, 0.3367, 0.3610



20.7271, 0.3134, 0.3433



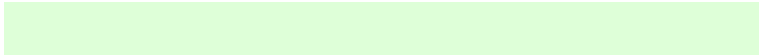
0.0000, 0.0000, 0.0000



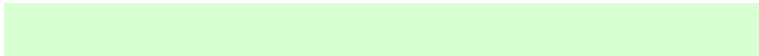
21.4041, 0.3127, 0.3290

Same Dimension

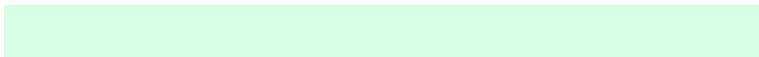
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.0017, 0.3145, 0.3697



90.7469, 0.3148, 0.3776



91.7747, 0.3035, 0.3561



20.3016, 0.3139, 0.3534



37.6361, 0.3043, 0.5966



3.7017, 0.3104, 0.5918

Inverse Universe

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



76.4727, 0.3103, 0.2905



72.8213, 0.3098, 0.2835



76.7786, 0.3233, 0.3033



18.1512, 0.3113, 0.3054



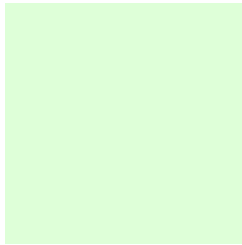
11.4503, 0.2824, 0.1329



1.1513, 0.2870, 0.1355

Previews

White Background



This preview shows how the Yxy color 92.0075, 0.3145, 0.3697 looks on a white background.

Color Contrast Check

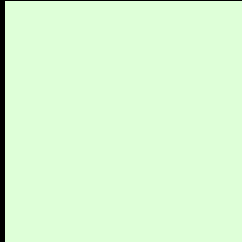
Large Text (above 18pt) WCAG AA × Fail

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 92.0075, 0.3145, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

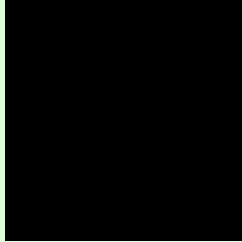
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

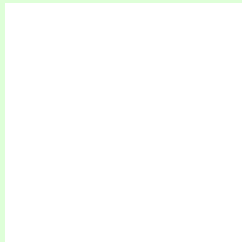
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.0075, 0.3145, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 92.0075, 0.3145, 0.3697.

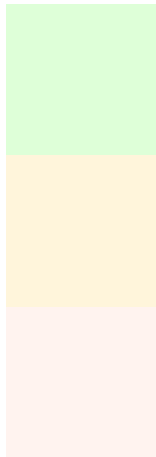


This preview shows how white text looks on a background with the Yxy color 92.0075, 0.3145, 0.3697.

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

92.0075, 0.3145, 0.3697

Protanopia

91.6793, 0.3353, 0.3547

Deuteranopia

91.5932, 0.3230, 0.3329



Tritanopia

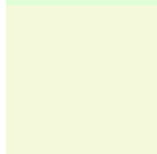
91.4823, 0.3030, 0.3201

Trichromacy



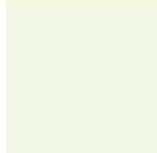
Original Color

92.0075, 0.3145, 0.3697



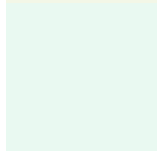
Protanomaly

91.8680, 0.3274, 0.3602



Deuteranomaly

91.3457, 0.3197, 0.3450



Tritanomaly

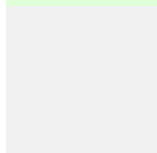
91.4259, 0.3073, 0.3370

Monochromacy



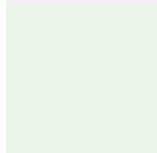
Original Color

92.0075, 0.3145, 0.3697



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.2302, 0.3133, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.0075, 0.3145, 0.3697 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(222, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 216)  
}
```

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(222, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 92.0075, 0.3145, 0.3697 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(222, 255, 216) }
```

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

```
.border{ border-color:rgb(222, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 92.0075, 0.3145, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 216) }
```

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

```
.background{ background-color: rgb(222,  
255, 216) }
```

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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