

Converting Colors

$Y_{xy}(100.0000, 0.3215, 0.3840)$

Have a look what the booklet for
Yxy(100.0000, 0.3215, 0.3840)
contains.

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Color

Yxy(93.0461, 0.3225, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFD3
RGB	230, 255, 211
RGB Percent	90%, 100%, 83%
CMY	0.0978, 0.0001, 0.1725
CMYK	0.10, 0.00, 0.17, 0.00
HSL	94°, 100%, 91%
HSV	94°, 17%, 100%
XYZ	80.1693, 93.0461, 75.3716
YIQ	242.5090, -0.7760, -18.9840

Conversions

Conversions Part 2

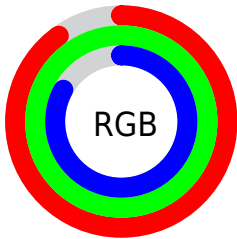
Format	Color
R_{YB}	211, 255, 236
Decimal	15138771
CIE _{Lab}	97.25, -15.71, 18.33
CIE _{LCh}	97, 24.144, 130.601
Yxy	93.0461, 0.3225, 0.3743
Android (android.graphics.Color)	4293328851 (0xFFE6FFD3)
YUV	242.5090, -15.5339, -10.9704
Hunter-Lab	96.4604, -20.4524, 21.1947

Details

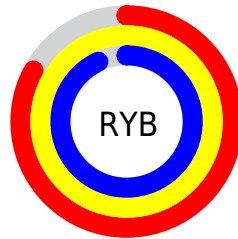
The Yxy color **93.0461, 0.3225, 0.3743** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.6366, 0.3013, 0.2843**, and the grayscale version is **89.3554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7871, 0.3243, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **89.5777, 0.3278, 0.4035**, and if you desaturate by 10%, it is **96.9236, 0.3169, 0.3472**.

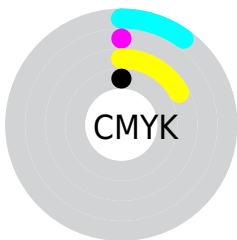
Distribution



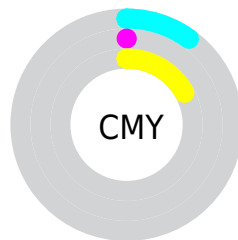
- Red (90%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0461, 0.3225, 0.3743 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 93.0461, 0.3225, 0.3743 by changing the saturation by 10% instead.

 93.0461, 0.3225,
0.3743

 93.0461, 0.3225,
0.3743


537.8907, 0.3184,
0.3537

 70.5098, 0.3233,
0.3789

151.5624, 0.3212,
0.3672

 51.9423, 0.3243,
0.3845


188.3113, 0.3206,
0.3645

 36.9591, 0.3254,
0.3916


230.5664, 0.3202,
0.3621

 25.1758, 0.3268,
0.4007

278.7123, 0.3197,
0.3600

 16.2081, 0.3284,
0.4128

333.1333, 0.3194,
0.3581

 9.6715, 0.3303,
0.4298

394.2137, 0.3190,

 5.1817, 0.3322,

0.3565

462.3381, 0.3187,
0.3550

0.4552

■ 2.3543, 0.3338,
0.4976

■ 0.8022, 0.3208,
0.6792

■ 93.0461, 0.3225,
0.3743

■ 93.0461, 0.3225,
0.3743

■ 89.5777, 0.3278,
0.4035

■ 96.9236, 0.3169,
0.3472

■ 86.4919, 0.3325,
0.4342

99.9912, 0.3127,
0.3290

■ 83.7776, 0.3362,
0.4654

■ 81.4182, 0.3384,
0.4956

■ 79.3960, 0.3388,
0.5234

■ 77.6910, 0.3372,
0.5468

■ 76.2806, 0.3336,
0.5646

■ 75.1369, 0.3282,
0.5763

■ 74.8589, 0.3267,
0.5788

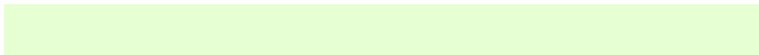
Harmonies

Analogous

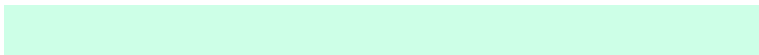
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0461, 0.3473, 0.3755



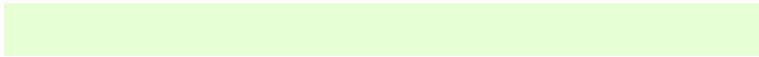
93.0461, 0.3225, 0.3743



93.0461, 0.2959, 0.3592

Triad

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



93.0461, 0.3225, 0.3743



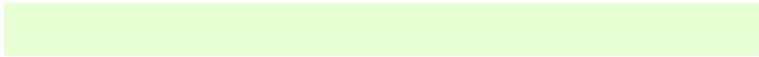
93.0461, 0.2644, 0.2924



93.0461, 0.3522, 0.3213

Complementary

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



93.0461, 0.3225, 0.3743



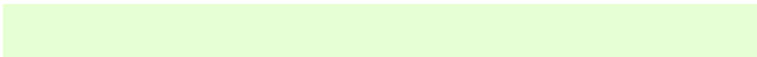
71.6366, 0.3013, 0.2843

Split Complementary

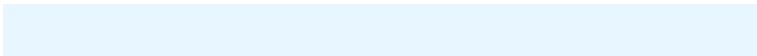
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0461, 0.3284, 0.3014



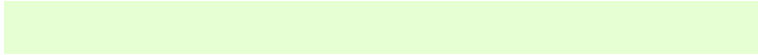
93.0461, 0.3225, 0.3743



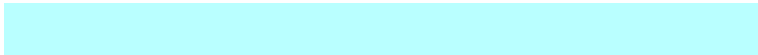
93.0461, 0.2780, 0.2847

Square

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



93.0461, 0.3225, 0.3743



93.0461, 0.2631, 0.3105



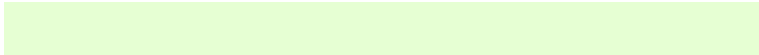
93.0461, 0.3012, 0.2881



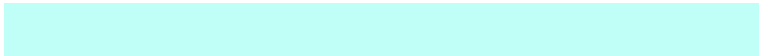
93.0461, 0.3650, 0.3439

Rectangle

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



93.0461, 0.3225, 0.3743



93.0461, 0.2806, 0.3437



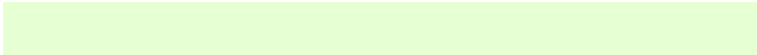
93.0461, 0.3012, 0.2881



93.0461, 0.3451, 0.3142

Sweetspot

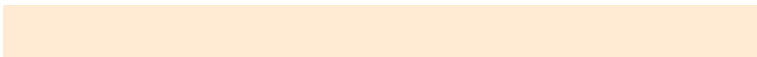
The Sweet Spot groups the original color and five complimentary colors.



93.0501, 0.3225, 0.3743



97.8613, 0.3156, 0.3414



85.4924, 0.3419, 0.3532



20.8838, 0.3160, 0.3432



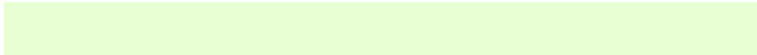
0.0000, 0.0000, 0.0000



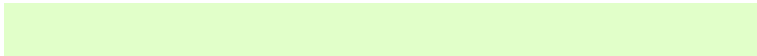
21.4041, 0.3127, 0.3290

Same Dimension

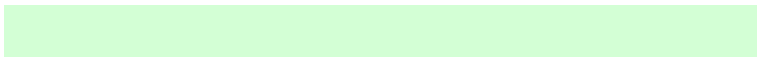
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0501, 0.3225, 0.3743



91.7108, 0.3246, 0.3851



90.1775, 0.3093, 0.3736



20.5531, 0.3181, 0.3531



39.2045, 0.3279, 0.5779



3.8803, 0.3366, 0.5709

Inverse Universe

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



71.6366, 0.3013, 0.2843



66.3245, 0.2983, 0.2739



74.9323, 0.3162, 0.2882



17.8856, 0.3068, 0.3051



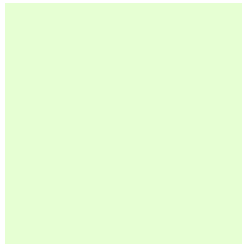
6.9837, 0.2157, 0.0962



0.7446, 0.2271, 0.1025

Previews

White Background



This preview shows how the Yxy color 93.0461, 0.3225, 0.3743 looks on a white background.

Color Contrast Check

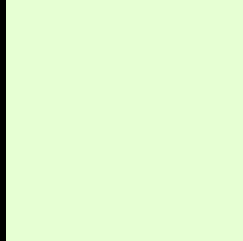
Large Text (above 18pt) WCAG AA × Fail

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 93.0461, 0.3225, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

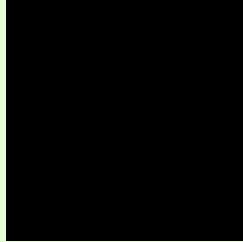
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

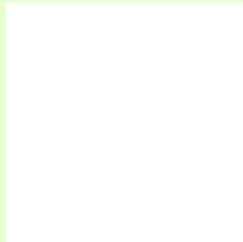
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.0461, 0.3225, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 93.0461, 0.3225, 0.3743.

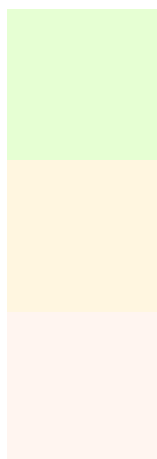


This preview shows how white text looks on a background with the Yxy color 93.0461, 0.3225, 0.3743.

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

93.0461, 0.3225, 0.3743

Protanopia

92.5534, 0.3320, 0.3506

Deuteranopia

92.8561, 0.3222, 0.3339

Tritanopia

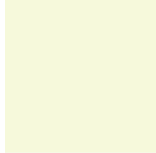
92.9746, 0.3061, 0.3212

Trichromacy



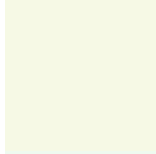
Original Color

93.0461, 0.3225, 0.3743



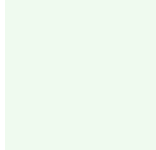
Protanomaly

92.4587, 0.3288, 0.3590



Deuteranomaly

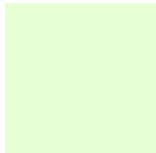
93.0013, 0.3227, 0.3489



Tritanomaly

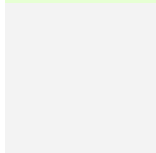
92.9539, 0.3122, 0.3400

Monochromacy



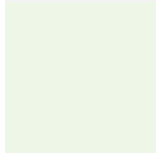
Original Color

93.0461, 0.3225, 0.3743



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.4682, 0.3165, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0461, 0.3225, 0.3743 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(230, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 211)  
}
```

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(230, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 93.0461, 0.3225, 0.3743 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(230, 255, 211) }
```

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

```
.border{ border-color:rgb(230, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0461, 0.3225, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 211) }
```

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

```
.background{ background-color: rgb(230,  
255, 211) }
```

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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