

# Converting Colors

Yxy(85.9264, 0.3209, 0.3530)

Have a look what the booklet for  
Yxy(85.9264, 0.3209, 0.3530)  
contains.

<b>Yxy(85.9424, 0.3208, 0.3528)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(85.9424, 0.3208, 0.3528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F2DB
RGB	233, 242, 219
RGB Percent	91%, 95%, 86%
CMY	0.0863, 0.0510, 0.1410
CMYK	0.04, 0.00, 0.09, 0.05
HSL	84°, 47%, 90%
HSV	84°, 9%, 95%
XYZ	78.1472, 85.9424, 79.5113
YIQ	236.6870, 2.0190, -9.0610

# Conversions

## Conversions Part 2

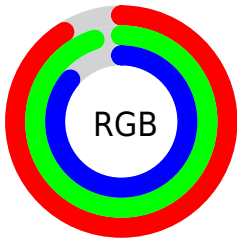
Format	Color
R <sub>Y</sub> B	219, 242, 228
Decimal	15332059
CIE Lab	94.29, -6.97, 10.05
CIE LCh	94, 12.227, 124.730
Yxy	85.9424, 0.3208, 0.3528
Android (android.graphics.Color)	4293522139 (0xFFE9F2DB)
YUV	236.6870, -8.7197, -3.2335
Hunter-Lab	92.7051, -11.7647, 14.0417

# Details

The Yxy color **85.9424, 0.3208, 0.3528** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.5922, 0.3041, 0.3050**, and the grayscale version is **84.5065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1453, 0.3223, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **83.2094, 0.3293, 0.3796**, and if you desaturate by 10%, it is **88.9538, 0.3123, 0.3278**.

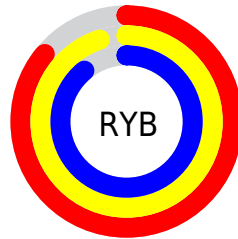
# Distribution



Red (91%)

Green (95%)

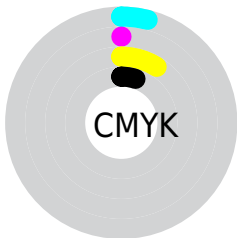
Blue (86%)



Red (86%)

Yellow (95%)

Blue (89%)

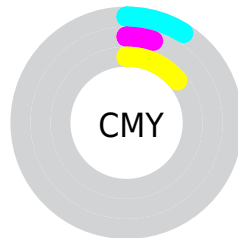


Cyan (4%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (9%)

Magenta (5%)


Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9424, 0.3208, 0.3528 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 85.9424, 0.3208, 0.3528 by changing the saturation by 10% instead.




 85.9424, 0.3208,  
0.3528

 85.9424, 0.3208,  
0.3528


514.7413, 0.3172,  
0.3420

 64.6203, 0.3216,  
0.3552

141.6891, 0.3196,  
0.3491

 47.1533, 0.3225,  
0.3582

176.8825, 0.3191,  
0.3476

 33.1569, 0.3237,  
0.3620


217.4686, 0.3187,  
0.3464

 22.2466, 0.3251,  
0.3668

263.8316, 0.3183,  
0.3453

 14.0382, 0.3271,  
0.3733

316.3559, 0.3180,  
0.3443

 8.1473, 0.3296,  
0.3825

375.4261, 0.3177,

 4.1893, 0.3333,

0.3434

441.4264, 0.3175,  
0.3427

0.3965

1.7800, 0.3388,  
0.4202

0.4747, 0.3720,  
0.6280

85.9424, 0.3208,  
0.3528

85.9424, 0.3208,  
0.3528

83.2094, 0.3293,  
0.3796

88.9538, 0.3123,  
0.3278

80.7345, 0.3375,  
0.4078

91.4143, 0.3113,  
0.3165

78.5114, 0.3450,  
0.4367

91.9852, 0.3133,  
0.3165

76.5295, 0.3513,  
0.4651

■ 74.7773, 0.3559,  
0.4918

■ 73.2420, 0.3584,  
0.5156

■ 71.9091, 0.3585,  
0.5350

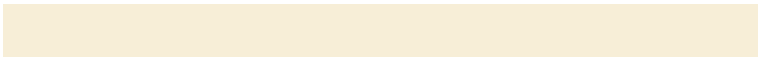
■ 70.7618, 0.3561,  
0.5493

■ 69.7743, 0.3517,  
0.5587

# Harmonies

## Analogous

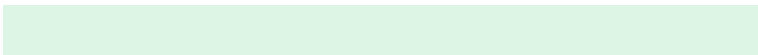
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9424, 0.3329, 0.3525



85.9424, 0.3208, 0.3528



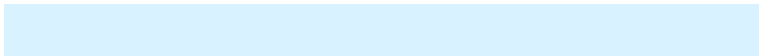
85.9424, 0.3068, 0.3463

# Triad

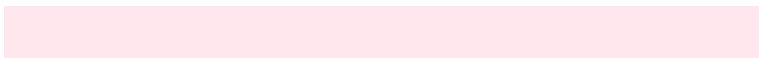
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9424, 0.3208, 0.3528



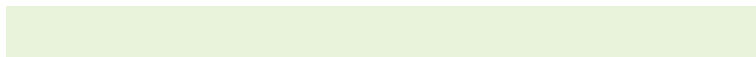
85.9424, 0.2865, 0.3116



85.9424, 0.3311, 0.3229

# Complementary

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



85.9424, 0.3208, 0.3528



73.5922, 0.3041, 0.3050

# Split Complementary

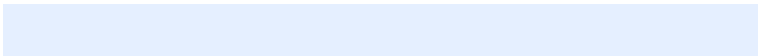
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9424, 0.3183, 0.3126



85.9424, 0.3208, 0.3528



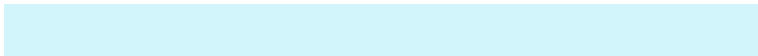
85.9424, 0.2927, 0.3060

# Square

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



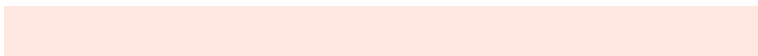
85.9424, 0.3208, 0.3528



85.9424, 0.2872, 0.3221



85.9424, 0.3042, 0.3064



85.9424, 0.3390, 0.3349



# Rectangle

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



85.9424, 0.3208, 0.3528



85.9424, 0.2982, 0.3391



85.9424, 0.3042, 0.3064



85.9424, 0.3272, 0.3191

# Sweetspot

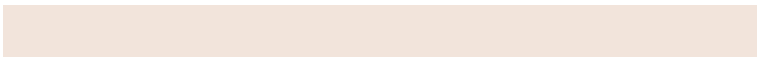
The Sweet Spot groups the original color and five complimentary colors.



85.9461, 0.3208, 0.3528



98.9531, 0.3153, 0.3364



79.3925, 0.3284, 0.3381



21.1212, 0.3159, 0.3384



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.



85.9461, 0.3208, 0.3528



96.2985, 0.3221, 0.3568



84.1063, 0.3133, 0.3533



18.1321, 0.3208, 0.3528



37.5386, 0.3525, 0.5583



3.1802, 0.3612, 0.5514



# Inverse Universe

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



73.5922, 0.3041, 0.3050



80.2973, 0.3025, 0.3009



75.4997, 0.3119, 0.3056



15.5307, 0.3041, 0.3050



4.8187, 0.1832, 0.0783

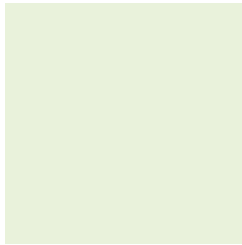


0.4568, 0.1978, 0.0863



# Previews

## White Background



This preview shows how the Yxy color 85.9424, 0.3208, 0.3528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

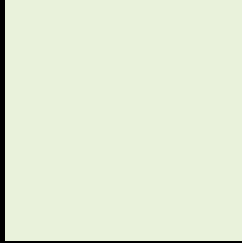
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9424, 0.3208, 0.3528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

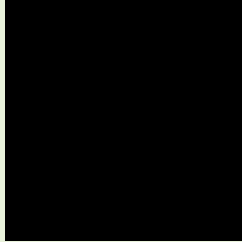
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

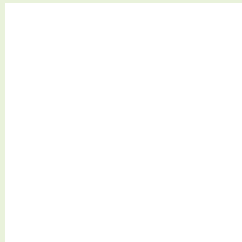
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9424, 0.3208, 0.3528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9424, 0.3208, 0.3528.

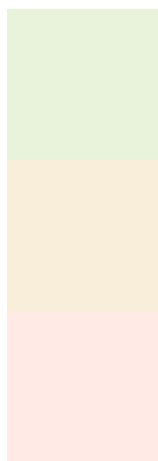


This preview shows how white text looks on a background with the Yxy color 85.9424, 0.3208, 0.3528.

# 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

85.9424, 0.3208, 0.3528

### Protanopia

86.1153, 0.3327, 0.3502

### Deuteranopia

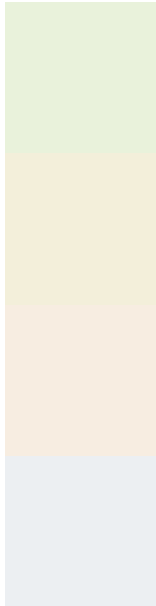
85.7628, 0.3303, 0.3340



## Tritanopia

85.9655, 0.3025, 0.3111

# Trichromacy



## Original Color

85.9424, 0.3208, 0.3528

## Protanomaly

85.8496, 0.3285, 0.3504

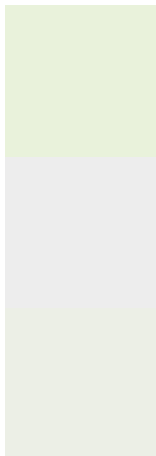
## Deuteranomaly

85.7788, 0.3270, 0.3411

## Tritanomaly

85.9767, 0.3089, 0.3260

# Monochromacy



## Original Color

85.9424, 0.3208, 0.3528

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.2790, 0.3163, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9424, 0.3208, 0.3528 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(233, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 219)  
}
```

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(233, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9424, 0.3208, 0.3528 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(233, 242, 219) }
```

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

```
.border{ border-color:rgb(233, 242, 219) }
```

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

Here you see how a box with a 4 pixel rgb(233, 242, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9424, 0.3208, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 219) }
```

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

```
.background{ background-color: rgb(233,  
242, 219) }
```

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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