

# Converting Colors

$Yxy(86.8471, 0.3216, 0.3452)$

Have a look what the booklet for  
Yxy(86.8471, 0.3216, 0.3452)  
contains.

<b>Yxy(86.8721, 0.3219, 0.3453)</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(86.8721, 0.3219, 0.3453)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0F1E1
RGB	240, 241, 225
RGB Percent	94%, 95%, 88%
CMY	0.0587, 0.0549, 0.1177
CMYK	0.00, 0.00, 0.07, 0.05
HSL	64°, 36%, 91%
HSV	64°, 7%, 95%
XYZ	80.9850, 86.8721, 83.7273
YIQ	238.8770, 4.5400, -5.1880

# Conversions

## Conversions Part 2

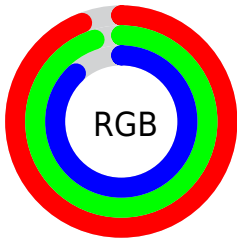
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 241, 226
Decimal	15790561
CIE Lab	94.68, -3.07, 7.60
CIE LCh	95, 8.200, 111.994
Yxy	86.8721, 0.3219, 0.3453
Android (android.graphics.Color)	4293980641 (0xFFFF0F1E1)
YUV	238.8770, -6.8414, 0.9849
Hunter-Lab	93.2052, -8.0123, 11.9828

# Details

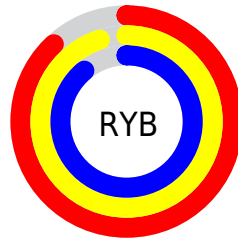
The Yxy color **86.8721, 0.3219, 0.3453** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3618, 0.3032, 0.3122**, and the grayscale version is **86.2715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7906, 0.3237, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **85.3948, 0.3360, 0.3706**, and if you desaturate by 10%, it is **88.5447, 0.3082, 0.3210**.

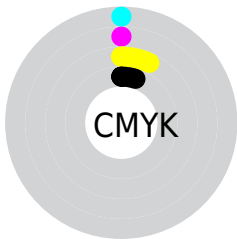
# Distribution



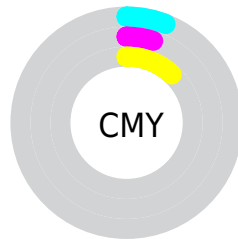
- Red (94%)
- Green (95%)
- Blue (88%)



- Red (88%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8721, 0.3219, 0.3453 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 86.8721, 0.3219, 0.3453 by changing the saturation by 10% instead.



86.8721, 0.3219,  
0.3453

86.8721, 0.3219,  
0.3453

517.8025, 0.3178,  
0.3380

65.3894, 0.3228,  
0.3469

142.9859, 0.3205,  
0.3428

47.7769, 0.3239,  
0.3489

178.3857, 0.3200,  
0.3418

33.6502, 0.3253,  
0.3514

219.1933, 0.3195,  
0.3409

22.6250, 0.3270,  
0.3547

265.7931, 0.3191,  
0.3402

14.3169, 0.3293,  
0.3590

318.5696, 0.3187,  
0.3395

8.3414, 0.3325,  
0.3650

377.9070, 0.3184,

4.3142, 0.3372,

0.3389

0.3741

444.1899, 0.3181,  
0.3384

■ 1.8508, 0.3447,  
0.3892

■ 0.5185, 0.4311,  
0.5349

■ 86.8721, 0.3219,  
0.3453

■ 86.8721, 0.3219,  
0.3453

■ 85.3948, 0.3360,  
0.3706

■ 88.5447, 0.3082,  
0.3210

■ 84.0937, 0.3502,  
0.3963


■ 89.1808, 0.3056,  
0.3152

■ 82.9644, 0.3639,  
0.4215


■ 89.4443, 0.3066,  
0.3153

■ 81.9978, 0.3766,  
0.4453


■ 89.7100, 0.3075,  
0.3153


 81.1843, 0.3878,  
0.4666


 89.9778, 0.3084,  
0.3154


 80.5130, 0.3967,  
0.4845


 90.2477, 0.3094,  
0.3154

 79.9717, 0.4032,  
0.4983

 90.5197, 0.3103,  
0.3154

 79.5459, 0.4070,  
0.5076

 90.7939, 0.3113,  
0.3155

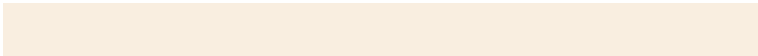
 79.2177, 0.4084,  
0.5127

 91.0702, 0.3122,  
0.3155

# Harmonies

## Analogous

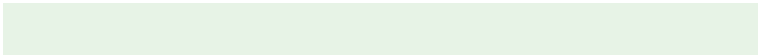
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8721, 0.3286, 0.3433



86.8721, 0.3219, 0.3453



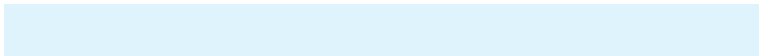
86.8721, 0.3128, 0.3428

# Triad

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



86.8721, 0.3219, 0.3453



86.8721, 0.2947, 0.3201



86.8721, 0.3217, 0.3217

# Complementary

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



86.8721, 0.3219, 0.3453



76.3618, 0.3032, 0.3122

# Split Complementary

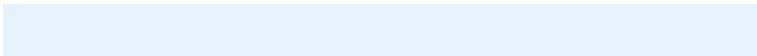
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8721, 0.3125, 0.3157



86.8721, 0.3219, 0.3453



86.8721, 0.2970, 0.3147

# Square

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



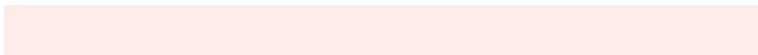
86.8721, 0.3219, 0.3453



86.8721, 0.2972, 0.3281



86.8721, 0.3034, 0.3132



86.8721, 0.3285, 0.3296

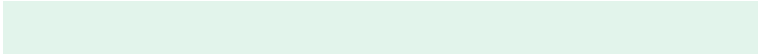


# Rectangle

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



86.8721, 0.3219, 0.3453



86.8721, 0.3066, 0.3389



86.8721, 0.3034, 0.3132



86.8721, 0.3187, 0.3194

# Sweetspot

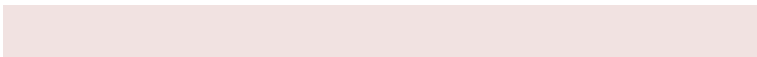
The Sweet Spot groups the original color and five complimentary colors.



86.8759, 0.3219, 0.3453



99.6167, 0.3155, 0.3339



78.4170, 0.3239, 0.3299



21.3261, 0.3153, 0.3336



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.



86.8759, 0.3219, 0.3453



98.5190, 0.3238, 0.3488



85.5357, 0.3167, 0.3456



18.4069, 0.3259, 0.3524



42.9264, 0.4087, 0.5137



3.5859, 0.4102, 0.5125



# Inverse Universe

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



76.3618, 0.3032, 0.3122



84.2149, 0.3011, 0.3086



77.6555, 0.3085, 0.3125



15.2749, 0.2989, 0.3046



3.5167, 0.1519, 0.0610

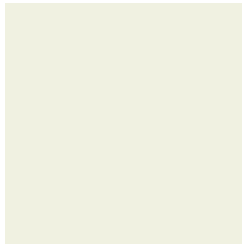


0.3087, 0.1568, 0.0638



# Previews

## White Background



This preview shows how the Yxy color 86.8721, 0.3219, 0.3453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

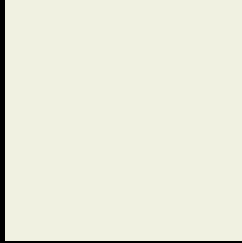
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8721, 0.3219, 0.3453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

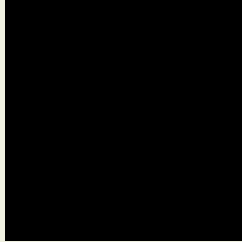
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

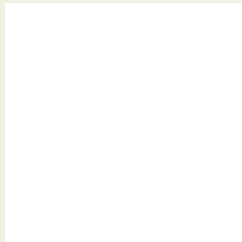
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.8721, 0.3219, 0.3453**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8721, 0.3219, 0.3453.

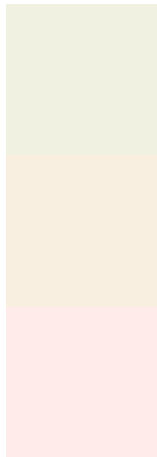


This preview shows how white text looks on a background with the Yxy color 86.8721, 0.3219, 0.3453.

# 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

86.8721, 0.3219, 0.3453

### Protanopia

87.0713, 0.3281, 0.3441

### Deuteranopia

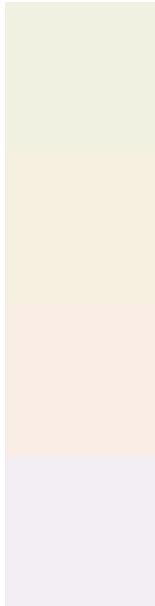
86.5599, 0.3276, 0.3310



## Tritanopia

87.0215, 0.3064, 0.3113

# Trichromacy



## Original Color

86.8721, 0.3219, 0.3453

## Protanomaly

87.1145, 0.3260, 0.3452

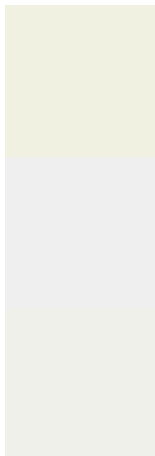
## Deuteranomaly

86.6055, 0.3259, 0.3360

## Tritanomaly

86.7354, 0.3123, 0.3230

# Monochromacy



## Original Color

86.8721, 0.3219, 0.3453

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.6114, 0.3157, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8721, 0.3219, 0.3453 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(240, 241, 225)` looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 225)  
}
```

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(240, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8721, 0.3219, 0.3453 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(240, 241, 225) }
```

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

```
.border{ border-color:rgb(240, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8721, 0.3219, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 225) }
```

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

```
.background{ background-color: rgb(240,  
241, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor