

# Converting Colors

Yxy(86.4861, 0.3260, 0.3528)

Have a look what the booklet for  
Yxy(86.4861, 0.3260, 0.3528)  
contains.

|   |    |
|---|----|
| <b>Yxy(86.4978, 0.3263, 0.3525)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(86.4978, 0.3263, 0.3525)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | F0F1DA                    |
| RGB         | 240, 241, 218             |
| RGB Percent | 94%, 95%, 85%             |
| CMY         | 0.0585, 0.0550, 0.1450    |
| CMYK        | 0.00, 0.00, 0.10, 0.05    |
| HSL         | 62°, 45%, 90%             |
| HSV         | 62°, 10%, 95%             |
| XYZ         | 80.0687, 86.4978, 78.8173 |
| YIQ         | 238.0790, 6.7870, -7.3650 |

# Conversions

## Conversions Part 2

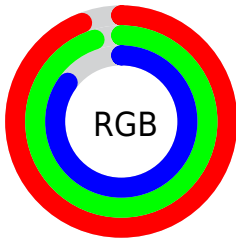
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 218, 241, 219                |
| Decimal                             | 15790554                     |
| CIE <sub>Lab</sub>                  | 94.52, -4.18, 10.98          |
| CIE <sub>LCh</sub>                  | 95, 11.751, 110.833          |
| Yxy                                 | 86.4978, 0.3263,<br>0.3525   |
| Android<br>(android.graphics.Color) | 4293980634<br>(0xFFFF0F1DA)  |
| YUV                                 | 238.0790, -9.8989,<br>1.6847 |
| Hunter-Lab                          | 93.0042, -9.0839,<br>14.8571 |

# Details

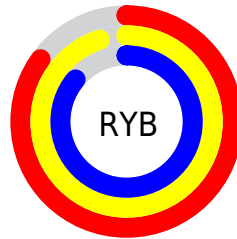
The Yxy color **86.4978, 0.3263, 0.3525** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.5488, 0.2985, 0.3045**, and the grayscale version is **85.6506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5326, 0.3293, 0.3580** is the 20% darker color. If you saturate the color by 10%, you get **85.1665, 0.3409, 0.3779**, and if you desaturate by 10%, it is **88.0209, 0.3121, 0.3279**.

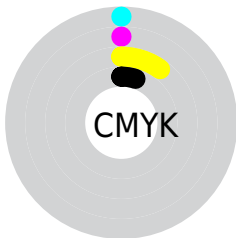
# Distribution



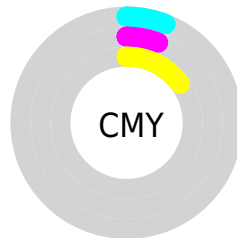
- Red (94%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)




- Cyan (6%)
- Magenta (6%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4978, 0.3263, 0.3525 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 86.4978, 0.3263, 0.3525 by changing the saturation by 10% instead.




 86.4978, 0.3263,  
0.3525

 86.4978, 0.3263,  
0.3525


516.5712, 0.3202,  
0.3419

 65.0797, 0.3276,  
0.3549


142.4640, 0.3242,  
0.3489

 47.5257, 0.3292,  
0.3578


177.7808, 0.3234,  
0.3474

 33.4514, 0.3313,  
0.3614


218.4993, 0.3227,  
0.3462

 22.4725, 0.3338,  
0.3661

265.0039, 0.3221,  
0.3451

 14.2045, 0.3372,  
0.3724

317.6790, 0.3216,  
0.3442

 8.2630, 0.3418,  
0.3812

376.9090, 0.3211,

 4.2637, 0.3486,

0.3433

0.3944

443.0783, 0.3206,  
0.3426

■ 1.8221, 0.3591,  
0.4163

■ 0.5009, 0.4275,  
0.5725

■ 86.4978, 0.3263,  
0.3525

■ 86.4978, 0.3263,  
0.3525

■ 85.1665, 0.3409,  
0.3779

■ 88.0209, 0.3121,  
0.3279

■ 84.0079, 0.3554,  
0.4033


■ 88.9883, 0.3050,  
0.3152


■ 83.0172, 0.3693,  
0.4280


■ 89.1545, 0.3056,  
0.3152

■ 82.1852, 0.3820,  
0.4508


■ 89.3214, 0.3062,  
0.3152

 81.5021, 0.3930,  
0.4708


 89.4893, 0.3068,  
0.3153

 80.9565, 0.4016,  
0.4871


 89.6580, 0.3074,  
0.3153


 80.5358, 0.4078,  
0.4992

 89.8275, 0.3080,  
0.3153

 80.2247, 0.4112,  
0.5068

 89.9979, 0.3086,  
0.3153

 79.9991, 0.4124,  
0.5106

 90.1692, 0.3092,  
0.3154

# Harmonies

## Analogous

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



86.4978, 0.3358, 0.3492



86.4978, 0.3263, 0.3525



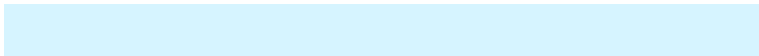
86.4978, 0.3132, 0.3492

# Triad

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



86.4978, 0.3263, 0.3525



86.4978, 0.2870, 0.3165



86.4978, 0.3251, 0.3182

# Complementary

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



86.4978, 0.3263, 0.3525



71.5488, 0.2985, 0.3045

# Split Complementary

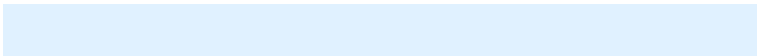
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4978, 0.3117, 0.3099



86.4978, 0.3263, 0.3525



86.4978, 0.2900, 0.3087

# Square

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



86.4978, 0.3263, 0.3525



86.4978, 0.2907, 0.3281



86.4978, 0.2989, 0.3064



86.4978, 0.3352, 0.3293



# Rectangle

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



86.4978, 0.3263, 0.3525



86.4978, 0.3044, 0.3437



86.4978, 0.2989, 0.3064



86.4978, 0.3208, 0.3150

# Sweetspot

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



86.5016, 0.3263, 0.3525



99.4607, 0.3170, 0.3363



74.3107, 0.3294, 0.3298



21.2585, 0.3181, 0.3383



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.



86.5016, 0.3263, 0.3525



98.1171, 0.3285, 0.3563



84.5754, 0.3187, 0.3531



18.4259, 0.3262, 0.3524



43.3993, 0.4126, 0.5106



3.6201, 0.4135, 0.5099



# Inverse Universe

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



71.5488, 0.2985, 0.3045



78.6314, 0.2960, 0.3003



73.3692, 0.3063, 0.3050



15.2580, 0.2985, 0.3046



3.4900, 0.1512, 0.0607

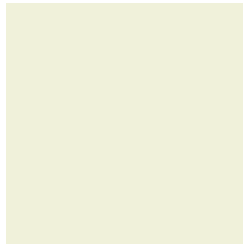


0.3006, 0.1544, 0.0624



# Previews

## White Background



This preview shows how the Yxy color 86.4978, 0.3263, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

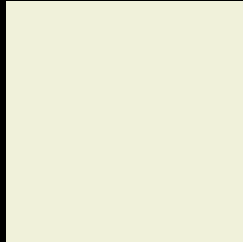
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4978, 0.3263, 0.3525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

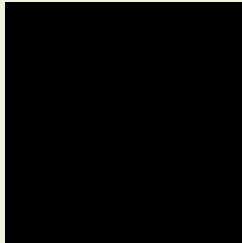
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

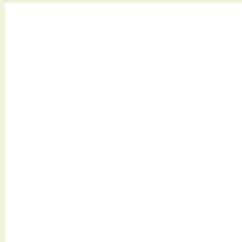
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4978, 0.3263, 0.3525**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4978, 0.3263, 0.3525.

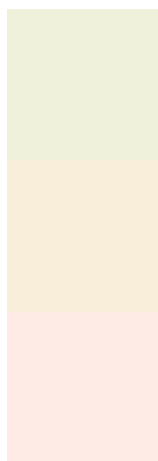


This preview shows how white text looks on a background with the Yxy color 86.4978, 0.3263, 0.3525.

# 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

86.4978, 0.3263, 0.3525

### Protanopia

86.2986, 0.3334, 0.3502

### Deuteranopia

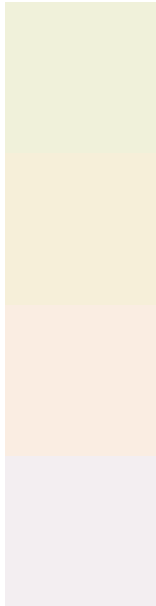
86.3898, 0.3295, 0.3340



## Tritanopia

86.5591, 0.3076, 0.3113

# Trichromacy



## Original Color

86.4978, 0.3263, 0.3525

## Protanomaly

86.3356, 0.3312, 0.3513

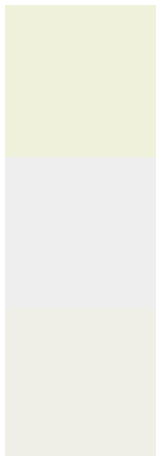
## Deuteranomaly

86.3834, 0.3284, 0.3400

## Tritanomaly

86.5546, 0.3142, 0.3260

# Monochromacy



## Original Color

86.4978, 0.3263, 0.3525

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.8532, 0.3176, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4978, 0.3263, 0.3525 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4978, 0.3263, 0.3525 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, 218) }
```

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

```
.border{ border-color:rgb(240, 241, 218) }
```

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, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4978, 0.3263, 0.3525 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, 218) }
```

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

```
.background{ background-color: rgb(240,  
241, 218) }
```

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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