

Converting Colors

$Yxy(86.3055, 0.3236, 0.3446)$

Have a look what the booklet for
Yxy(86.3055, 0.3236, 0.3446)
contains.

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Color

Yxy(86.5792, 0.3239, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	F2F0E0
RGB	242, 240, 224
RGB Percent	95%, 94%, 88%
CMY	0.0512, 0.0587, 0.1216
CMYK	0.00, 0.01, 0.07, 0.05
HSL	54°, 41%, 91%
HSV	54°, 7%, 95%
XYZ	81.2134, 86.5792, 82.9435
YIQ	238.7740, 6.3280, -4.5520

Conversions

Conversions Part 2

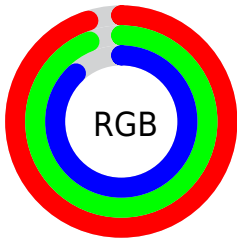
Format	Color
R_{YB}	226, 242, 224
Decimal	15921376
CIE Lab	94.56, -2.09, 7.96
CIE LCh	95, 8.232, 104.701
Yxy	86.5792, 0.3239, 0.3453
Android (android.graphics.Color)	4294111456 (0xFFFF2F0E0)
YUV	238.7740, -7.2836, 2.8292
Hunter-Lab	93.0479, -7.0368, 12.2821

Details

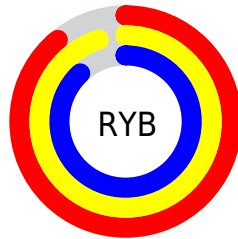
The Yxy color **86.5792, 0.3239, 0.3453** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.5869, 0.3013, 0.3122**, and the grayscale version is **86.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5847, 0.3264, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **83.8616, 0.3397, 0.3680**, and if you desaturate by 10%, it is **89.5125, 0.3089, 0.3235**.

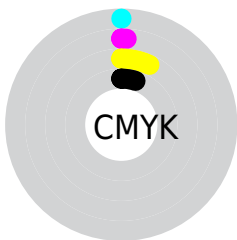
Distribution



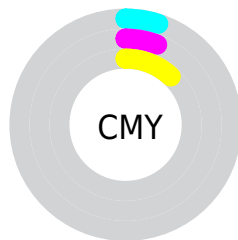
- Red (95%)
- Green (94%)
- Blue (88%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5792, 0.3239, 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 86.5792, 0.3239, 0.3453 by changing the saturation by 10% instead.


 86.5792, 0.3239,
0.3453

 86.5792, 0.3239,
0.3453

516.8391, 0.3189,
0.3380

 65.1470, 0.3250,
0.3469


142.5775, 0.3222,
0.3428

 47.5803, 0.3264,
0.3489


177.9124, 0.3215,
0.3418

 33.4946, 0.3280,
0.3514


218.6503, 0.3209,
0.3409

 22.5056, 0.3302,
0.3546

265.1756, 0.3204,
0.3402

 14.2289, 0.3330,
0.3589

317.8728, 0.3200,
0.3395

 8.2800, 0.3370,
0.3649

377.1262, 0.3196,

 4.2747, 0.3428,

0.3390

0.3739

443.3201, 0.3192,
0.3384

■ 1.8284, 0.3522,
0.3888

■ 0.5048, 0.4593,
0.5407

■ 86.5792, 0.3239,
0.3453

■ 86.5792, 0.3239,
0.3453

■ 83.8616, 0.3397,
0.3680

■ 89.5125, 0.3089,
0.3235

■ 81.3405, 0.3560,
0.3909

■ 91.4874, 0.3049,
0.3193

■ 79.0111, 0.3723,
0.4134

■ 93.0525, 0.3048,
0.3219

■ 76.8642, 0.3882,
0.4345

■ 94.6392, 0.3048,
0.3244

■ 74.8899, 0.4028,
0.4532

■ 96.2476, 0.3047,
0.3269

■ 73.0771, 0.4157,
0.4686

■ 97.6051, 0.3047,
0.3290

■ 71.4131, 0.4261,
0.4798

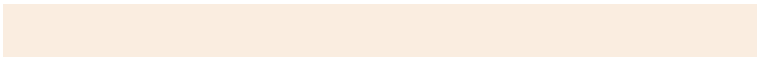
■ 69.8832, 0.4337,
0.4865

■ 68.4680, 0.4386,
0.4889

Harmonies

Analogous

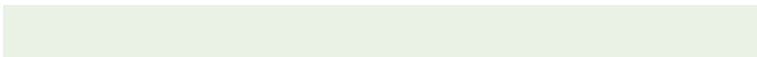
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5792, 0.3298, 0.3422



86.5792, 0.3239, 0.3453



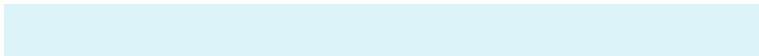
86.5792, 0.3151, 0.3439

Triad

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



86.5792, 0.3239, 0.3453



86.5792, 0.2948, 0.3219



86.5792, 0.3196, 0.3200

Complementary

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



86.5792, 0.3239, 0.3453



76.5869, 0.3013, 0.3122

Split Complementary

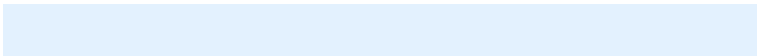
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5792, 0.3101, 0.3147



86.5792, 0.3239, 0.3453



86.5792, 0.2959, 0.3156

Square

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



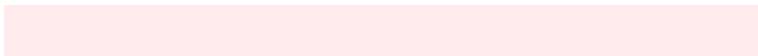
86.5792, 0.3239, 0.3453



86.5792, 0.2984, 0.3302



86.5792, 0.3015, 0.3131



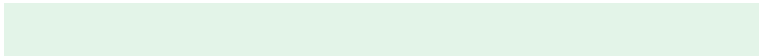
86.5792, 0.3273, 0.3276

Rectangle

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



86.5792, 0.3239, 0.3453



86.5792, 0.3088, 0.3406



86.5792, 0.3015, 0.3131



86.5792, 0.3165, 0.3179

Sweetspot

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



86.5830, 0.3239, 0.3453



99.3311, 0.3157, 0.3334



77.6664, 0.3240, 0.3269



21.2680, 0.3155, 0.3331



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.



86.5830, 0.3239, 0.3453



97.0655, 0.3264, 0.3489



86.5159, 0.3191, 0.3474



18.1557, 0.3271, 0.3499



36.7359, 0.4392, 0.4894



3.1376, 0.4363, 0.4918

Inverse Universe

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



76.5869, 0.3013, 0.3122



83.5062, 0.2987, 0.3083



76.6793, 0.3060, 0.3104



15.4985, 0.2980, 0.3072



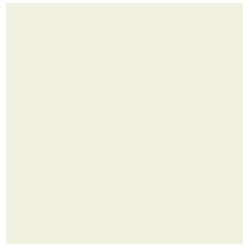
3.9260, 0.1521, 0.0675



0.4157, 0.1565, 0.0833

Previews

White Background



This preview shows how the Yxy color 86.5792, 0.3239, 0.3453 looks on a white background.

Color Contrast Check

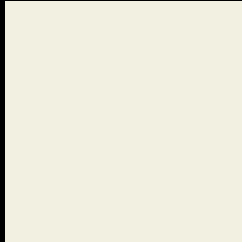
Large Text (above 18pt) WCAG AA × Fail

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 86.5792, 0.3239, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

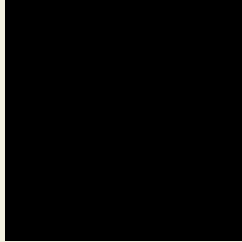
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

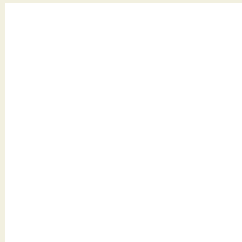
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5792, 0.3239, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 86.5792, 0.3239, 0.3453.

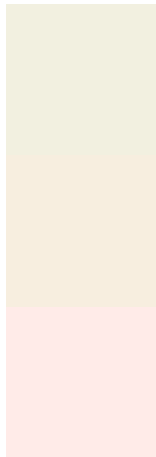


This preview shows how white text looks on a background with the Yxy color 86.5792, 0.3239, 0.3453.

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

86.5792, 0.3239, 0.3453

Protanopia

86.2509, 0.3282, 0.3441

Deuteranopia

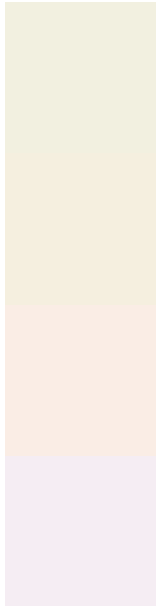
86.5029, 0.3282, 0.3320



Tritanopia

86.7395, 0.3083, 0.3113

Trichromacy



Original Color

86.5792, 0.3239, 0.3453

Protanomaly

86.4732, 0.3267, 0.3452

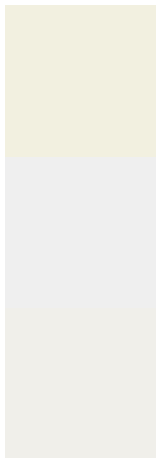
Deuteranomaly

86.5495, 0.3265, 0.3370

Tritanomaly

86.4519, 0.3143, 0.3230

Monochromacy



Original Color

86.5792, 0.3239, 0.3453

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.1988, 0.3164, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5792, 0.3239, 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(242, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(242, 240, 224)  
}
```

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(242, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 240, 224) }
```

Border

The CSS property to change the border of an element to Yxy 86.5792, 0.3239, 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(242, 240, 224) }
```

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

```
.border{ border-color:rgb(242, 240, 224) }
```

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

Here you see how a box with a 4 pixel rgb(242, 240, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(242, 240,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5792, 0.3239, 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(242, 240, 224) }
```

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

```
.background{ background-color: rgb(242,  
240, 224) }
```

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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