

Converting Colors

$Yxy(86.6716, 0.3176, 0.3371)$

Have a look what the booklet for
Yxy(86.6716, 0.3176, 0.3371)
contains.

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Color

Yxy(86.6716, 0.3176, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	F0F0E8
RGB	240, 240, 232
RGB Percent	94%, 94%, 91%
CMY	0.0589, 0.0588, 0.0901
CMYK	0.00, 0.00, 0.03, 0.06
HSL	60°, 21%, 93%
HSV	60°, 3%, 94%
XYZ	81.6580, 86.6716, 88.7799
YIQ	239.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

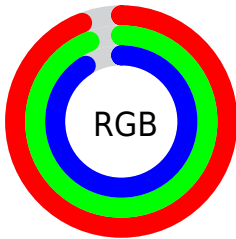
Format	Color
R _Y B	232, 240, 232
Decimal	15790312
CIE Lab	94.60, -1.39, 3.84
CIE LCh	95, 4.088, 109.946
Yxy	86.6716, 0.3176, 0.3371
Android (android.graphics.Color)	4293980392 (0xFFFF0F0E8)
YUV	239.0880, -3.4944, 0.7998
Hunter-Lab	93.0976, -6.3544, 8.6281

Details

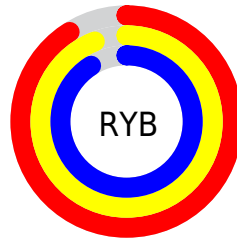
The Yxy color **86.6716, 0.3176, 0.3371** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1767, 0.3078, 0.3208**, and the grayscale version is **86.4161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6059, 0.3190, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **85.3897, 0.3326, 0.3620**, and if you desaturate by 10%, it is **88.0817, 0.3038, 0.3142**.

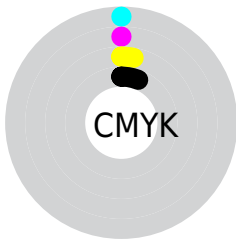
Distribution



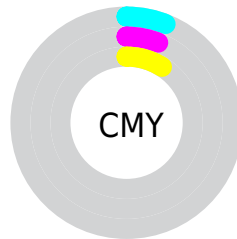
- Red (94%)
- Green (94%)
- Blue (91%)



- Red (91%)
- Yellow (94%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6716, 0.3176, 0.3371 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 86.6716, 0.3176, 0.3371 by changing the saturation by 10% instead.

 86.6716, 0.3176,
0.3371

 86.6716, 0.3176,
0.3371

517.1431, 0.3154,
0.3335

 65.2235, 0.3181,
0.3379

142.7063, 0.3169,
0.3359

 47.6423, 0.3187,
0.3389

178.0617, 0.3166,
0.3354

 33.5437, 0.3194,
0.3401


218.8216, 0.3163,
0.3349

 22.5433, 0.3203,
0.3417

265.3705, 0.3161,
0.3346

 14.2566, 0.3216,
0.3438

318.0927, 0.3159,
0.3342

 8.2994, 0.3233,
0.3468

377.3726, 0.3157,

 4.2871, 0.3259,

0.3340

0.3512

443.5946, 0.3156,
0.3337

■ 1.8354, 0.3302,
0.3586

■ 0.5091, 0.3614,
0.4090

■ 86.6716, 0.3176,
0.3371

■ 86.6716, 0.3176,
0.3371

■ 85.3897, 0.3326,
0.3620

■ 88.0817, 0.3038,
0.3142

■ 84.2827, 0.3478,
0.3873


■ 88.0951, 0.3038,
0.3142


■ 83.3466, 0.3628,
0.4122

■ 88.1085, 0.3039,
0.3142

■ 82.5726, 0.3770,
0.4358

■ 88.1219, 0.3039,
0.3142

 81.9514, 0.3898,
0.4570

 88.1353, 0.3040,
0.3142


 81.4727, 0.4005,
0.4750


 88.1487, 0.3040,
0.3142


 81.1249, 0.4089,
0.4890

 88.1622, 0.3041,
0.3142

 80.8945, 0.4146,
0.4986

 88.1756, 0.3041,
0.3142

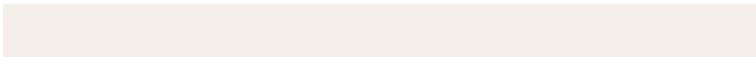
 80.7653, 0.4178,
0.5039

 88.1890, 0.3042,
0.3142

Harmonies

Analogous

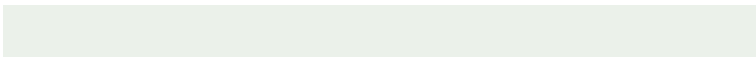
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6716, 0.3208, 0.3360



86.6716, 0.3176, 0.3371



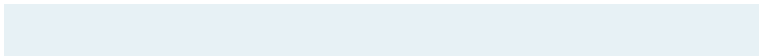
86.6716, 0.3131, 0.3360

Triad

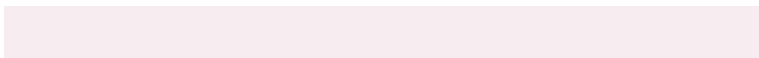
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6716, 0.3176, 0.3371



86.6716, 0.3037, 0.3249



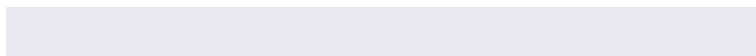
86.6716, 0.3169, 0.3251

Complementary

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



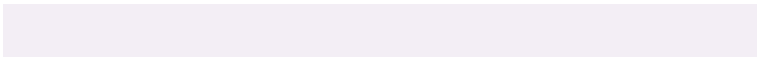
86.6716, 0.3176, 0.3371



81.1767, 0.3078, 0.3208

Split Complementary

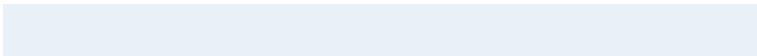
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6716, 0.3123, 0.3222



86.6716, 0.3176, 0.3371



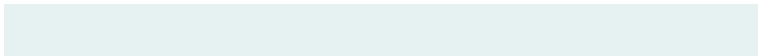
86.6716, 0.3047, 0.3220

Square

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



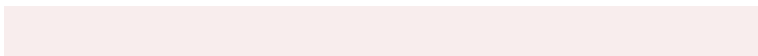
86.6716, 0.3176, 0.3371



86.6716, 0.3051, 0.3289



86.6716, 0.3078, 0.3210



86.6716, 0.3204, 0.3291

Rectangle

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



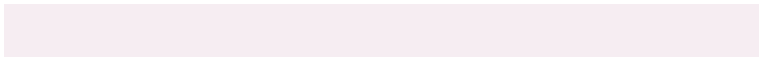
86.6716, 0.3176, 0.3371



86.6716, 0.3100, 0.3341



86.6716, 0.3078, 0.3210



86.6716, 0.3154, 0.3240

Sweetspot

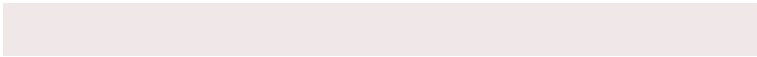
The Sweet Spot groups the original color and five complimentary colors.



86.6753, 0.3176, 0.3371



99.8353, 0.3142, 0.3314



82.0762, 0.3182, 0.3290



21.3706, 0.3141, 0.3313



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.



86.6753, 0.3176, 0.3371



99.3542, 0.3186, 0.3388



85.9879, 0.3150, 0.3372



18.5895, 0.3197, 0.3406



44.1841, 0.4188, 0.5057



3.6765, 0.4188, 0.5056

Inverse Universe

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



81.1767, 0.3078, 0.3208



91.7862, 0.3067, 0.3190



81.8490, 0.3104, 0.3208



16.9241, 0.3056, 0.3172



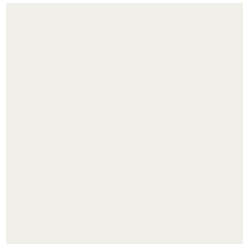
3.4477, 0.1501, 0.0601



0.2877, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 86.6716, 0.3176, 0.3371 looks on a white background.

Color Contrast Check

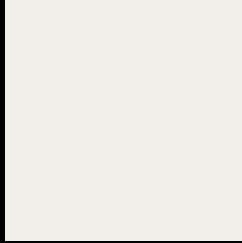
Large Text (above 18pt) WCAG AA × Fail

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 86.6716, 0.3176, 0.3371 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

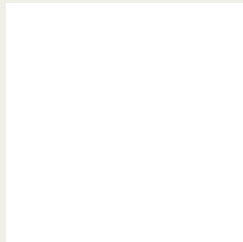
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6716, 0.3176, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 86.6716, 0.3176, 0.3371.

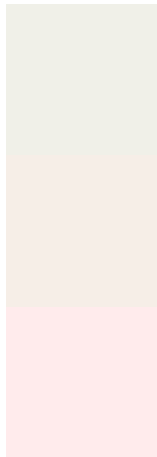


This preview shows how white text looks on a background with the Yxy color 86.6716, 0.3176, 0.3371.

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

86.6716, 0.3176, 0.3371

Protanopia

86.5114, 0.3224, 0.3360

Deuteranopia

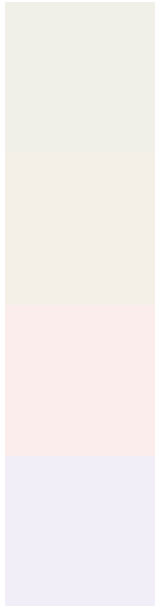
86.7328, 0.3256, 0.3281



Tritanopia

86.8431, 0.3057, 0.3112

Trichromacy



Original Color

86.6716, 0.3176, 0.3371

Protanomaly

86.7356, 0.3210, 0.3371

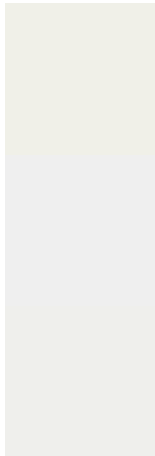
Deuteranomaly

86.8905, 0.3227, 0.3310

Tritanomaly

86.7417, 0.3099, 0.3200

Monochromacy



Original Color

86.6716, 0.3176, 0.3371

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.1399, 0.3146, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6716, 0.3176, 0.3371 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, 240, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 232)  
}
```

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, 240, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 232) }
```

Border

The CSS property to change the border of an element to Yxy 86.6716, 0.3176, 0.3371 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, 240, 232) }
```

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

```
.border{ border-color:rgb(240, 240, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6716, 0.3176, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 232) }
```

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

```
.background{ background-color: rgb(240,  
240, 232) }
```

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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