

Converting Colors

Yxy(86.6871, 0.3156, 0.3508)

Have a look what the booklet for
Yxy(86.6871, 0.3156, 0.3508)
contains.

Yxy(86.6871, 0.3156, 0.3508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.6871, 0.3156, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	E5F4DF
RGB	229, 244, 223
RGB Percent	90%, 96%, 87%
CMY	0.1019, 0.0431, 0.1255
CMYK	0.06, 0.00, 0.09, 0.04
HSL	103°, 49%, 92%
HSV	103°, 9%, 96%
XYZ	77.9887, 86.6871, 82.4368
YIQ	237.1210, -2.1990, -9.7110

Conversions

Conversions Part 2

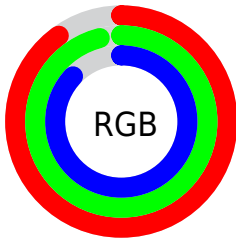
Format	Color
R_{YB}	223, 244, 238
Decimal	15070431
CIE _{Lab}	94.61, -8.65, 8.41
CIE _{LCh}	95, 12.069, 135.797
Y _{xy}	86.6871, 0.3156, 0.3508
Android (android.graphics.Color)	4293260511 (0xFFE5F4DF)
Y _{UV}	237.1210, -6.9617, -7.1221
Hunter-Lab	93.1059, -13.4175, 12.6783

Details

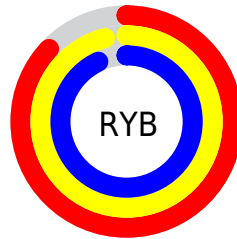
The Yxy color **86.6871, 0.3156, 0.3508** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4841, 0.3095, 0.3076**, and the grayscale version is **84.8471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7923, 0.3164, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **82.7464, 0.3188, 0.3787**, and if you desaturate by 10%, it is **91.1120, 0.3122, 0.3257**.

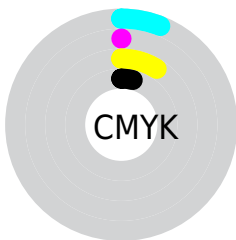
Distribution



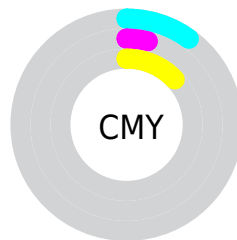
- Red (90%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6871, 0.3156, 0.3508 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 86.6871, 0.3156, 0.3508 by changing the saturation by 10% instead.

 86.6871, 0.3156,
0.3508

 86.6871, 0.3156,
0.3508


517.1941, 0.3144,
0.3409

 65.2363, 0.3159,
0.3530

142.7279, 0.3152,
0.3474

 47.6527, 0.3162,
0.3558


178.0867, 0.3150,
0.3461

 33.5519, 0.3165,
0.3592


218.8504, 0.3149,
0.3449

 22.5496, 0.3170,
0.3636

265.4032, 0.3148,
0.3439

 14.2613, 0.3175,
0.3696

318.1295, 0.3146,
0.3430

 8.3026, 0.3183,
0.3781

377.4139, 0.3145,

 4.2892, 0.3192,

0.3422

0.3909

443.6406, 0.3145,
0.3415

■ 1.8366, 0.3202,
0.4129

■ 0.5098, 0.3491,
0.6509

■ 86.6871, 0.3156,
0.3508

■ 86.6871, 0.3156,
0.3508

■ 82.7464, 0.3188,
0.3787

■ 91.1120, 0.3122,
0.3257

■ 79.2623, 0.3216,
0.4091

■ 93.1809, 0.3132,
0.3185

■ 76.2210, 0.3239,
0.4414

■ 73.6039, 0.3252,
0.4744

■ 71.3909, 0.3254,
0.5066

■ 69.5602, 0.3242,
0.5359

■ 68.0878, 0.3215,
0.5604

■ 66.9463, 0.3175,
0.5783

■ 66.1004, 0.3126,
0.5892

Harmonies

Analogous

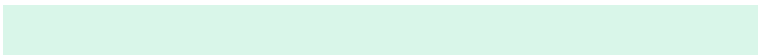
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6871, 0.3286, 0.3530



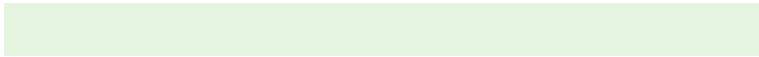
86.6871, 0.3156, 0.3508



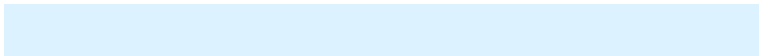
86.6871, 0.3020, 0.3423

Triad

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



86.6871, 0.3156, 0.3508



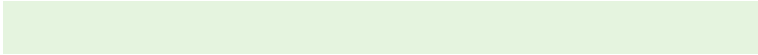
86.6871, 0.2884, 0.3092



86.6871, 0.3344, 0.3273

Complementary

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



86.6871, 0.3156, 0.3508



77.4841, 0.3095, 0.3076

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.



86.6871, 0.3232, 0.3162



86.6871, 0.3156, 0.3508



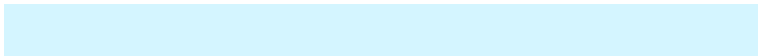
86.6871, 0.2967, 0.3058

Square

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



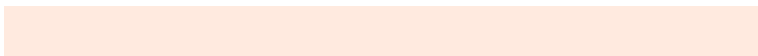
86.6871, 0.3156, 0.3508



86.6871, 0.2865, 0.3180



86.6871, 0.3094, 0.3084



86.6871, 0.3397, 0.3391

Rectangle

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



86.6871, 0.3156, 0.3508



86.6871, 0.2944, 0.3344



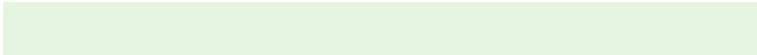
86.6871, 0.3094, 0.3084



86.6871, 0.3312, 0.3234

Sweetspot

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



86.6908, 0.3156, 0.3508



98.4967, 0.3137, 0.3364



85.5363, 0.3262, 0.3439



20.9981, 0.3140, 0.3384



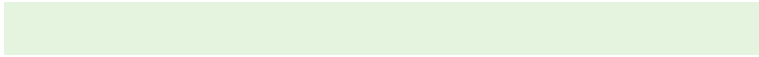
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6908, 0.3156, 0.3508



95.1768, 0.3161, 0.3546



85.9472, 0.3092, 0.3466



18.7020, 0.3159, 0.3532



35.9477, 0.3130, 0.5897



3.2095, 0.3220, 0.5826

Inverse Universe

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



77.4841, 0.3095, 0.3076



83.4357, 0.3090, 0.3040



78.2909, 0.3164, 0.3120



16.5158, 0.3092, 0.3053



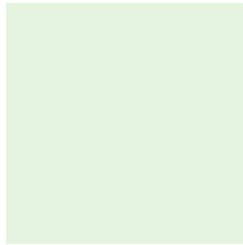
8.5212, 0.2494, 0.1148



0.8010, 0.2586, 0.1198

Previews

White Background



This preview shows how the Yxy color 86.6871, 0.3156, 0.3508 looks on a white background.

Color Contrast Check

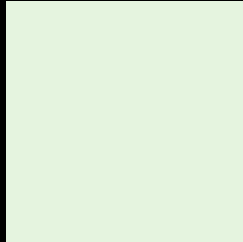
Large Text (above 18pt) WCAG AA × Fail

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 86.6871, 0.3156, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

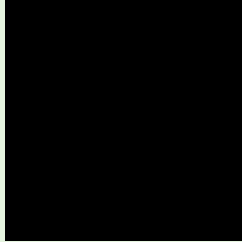
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

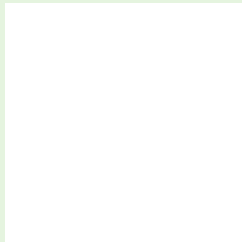
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6871, 0.3156, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 86.6871, 0.3156, 0.3508.

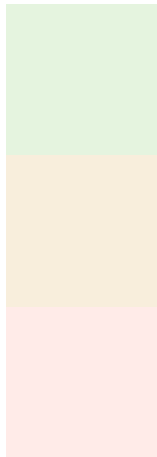


This preview shows how white text looks on a background with the Yxy color 86.6871, 0.3156, 0.3508.

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

86.6871, 0.3156, 0.3508

Protanopia

86.2728, 0.3308, 0.3472

Deuteranopia

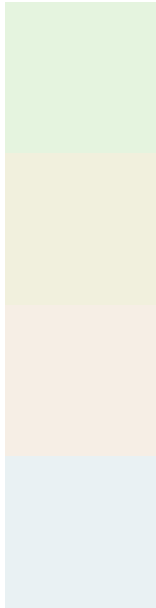
86.5029, 0.3282, 0.3320



Tritanopia

86.6152, 0.3006, 0.3130

Trichromacy



Original Color

86.6871, 0.3156, 0.3508

Protanomaly

86.2414, 0.3251, 0.3484

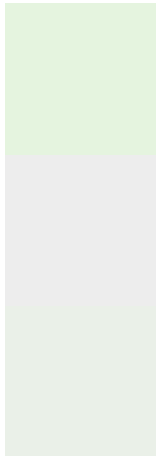
Deuteranomaly

86.3990, 0.3237, 0.3381

Tritanomaly

86.7053, 0.3063, 0.3270

Monochromacy



Original Color

86.6871, 0.3156, 0.3508

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.6388, 0.3136, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6871, 0.3156, 0.3508 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(229, 244, 223)` looks like.

```
.text, #text, p{  
    color:rgb(229, 244, 223)  
}
```

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(229, 244, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 244, 223) }
```

Border

The CSS property to change the border of an element to Yxy 86.6871, 0.3156, 0.3508 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(229, 244, 223) }
```

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

```
.border{ border-color:rgb(229, 244, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 244, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 244, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 244, 223);  
box-shadow:4px 4px 4px 4px rgb(229, 244,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6871, 0.3156, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 244, 223) }
```

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

```
.background{ background-color: rgb(229,  
244, 223) }
```

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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