

Converting Colors

$Yxy(87.6727, 0.3140, 0.3404)$

Have a look what the booklet for
Yxy(87.6727, 0.3140, 0.3404)
contains.

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Color

Yxy(87.5895, 0.3141, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	EBF3E8
RGB	235, 243, 232
RGB Percent	92%, 95%, 91%
CMY	0.0786, 0.0470, 0.0901
CMYK	0.03, 0.00, 0.05, 0.05
HSL	104°, 31%, 93%
HSV	104°, 5%, 95%
XYZ	80.8697, 87.5895, 89.0056
YIQ	239.3540, -1.2370, -5.1170

Conversions

Conversions Part 2

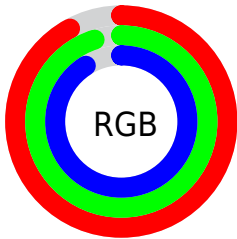
Format	Color
R _{YB}	232, 243, 240
Decimal	15463400
CIE Lab	94.99, -4.61, 4.36
CIE LCh	95, 6.339, 136.603
Yxy	87.5895, 0.3141, 0.3402
Android (android.graphics.Color)	4293653480 (0xFFEBF3E8)
YUV	239.3540, -3.6255, -3.8185
Hunter-Lab	93.5893, -9.5409, 9.1263

Details

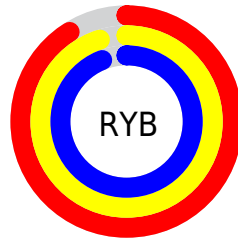
The Yxy color **87.5895, 0.3141, 0.3402** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.7386, 0.3113, 0.3179**, and the grayscale version is **86.6352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2589, 0.3145, 0.3434** is the 20% darker color. If you saturate the color by 10%, you get **83.4254, 0.3171, 0.3670**, and if you desaturate by 10%, it is **92.1699, 0.3118, 0.3175**.

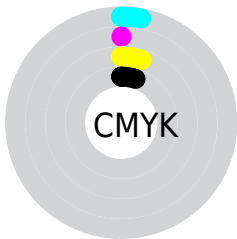
Distribution



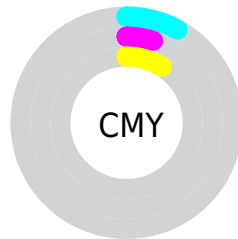
- Red (92%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (8%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5895, 0.3141, 0.3402 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 87.5895, 0.3141, 0.3402 by changing the saturation by 10% instead.

 87.5895, 0.3141,
0.3402

 87.5895, 0.3141,
0.3402


520.1580, 0.3135,
0.3352

 65.9832, 0.3142,
0.3413


143.9855, 0.3139,
0.3385

 48.2587, 0.3144,
0.3427


179.5440, 0.3138,
0.3378

 34.0318, 0.3146,
0.3444


220.5219, 0.3137,
0.3372

 22.9180, 0.3148,
0.3466


267.3038, 0.3137,
0.3367

 14.5330, 0.3151,
0.3496

320.2739, 0.3136,
0.3362

 8.4923, 0.3155,
0.3538

379.8167, 0.3136,

 4.4115, 0.3161,

0.3358

0.3600

446.3166, 0.3135,
0.3355

■ 1.9063, 0.3169,
0.3705

■ 0.5522, 0.3270,
0.4378

■ 87.5895, 0.3141,
0.3402

■ 87.5895, 0.3141,
0.3402

■ 83.4254, 0.3171,
0.3670

■ 92.1699, 0.3118,
0.3175

■ 79.7353, 0.3198,
0.3966

■ 92.5902, 0.3133,
0.3175

■ 76.5055, 0.3220,
0.4284

■ 73.7170, 0.3234,
0.4615

■ 71.3499, 0.3239,
0.4945

■ 69.3824, 0.3231,
0.5255

■ 67.7906, 0.3209,
0.5523

■ 66.5476, 0.3175,
0.5731

■ 65.6225, 0.3130,
0.5867

Harmonies

Analogous

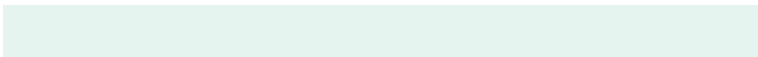
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5895, 0.3209, 0.3415



87.5895, 0.3141, 0.3402



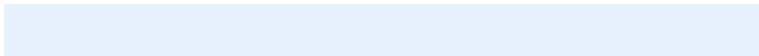
87.5895, 0.3070, 0.3358

Triad

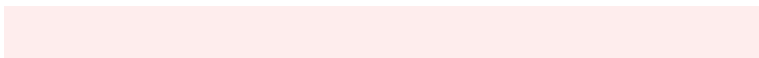
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5895, 0.3141, 0.3402



87.5895, 0.3000, 0.3185



87.5895, 0.3241, 0.3284

Complementary

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



87.5895, 0.3141, 0.3402



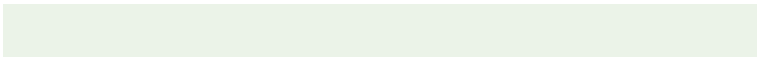
82.7386, 0.3113, 0.3179

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.



87.5895, 0.3184, 0.3224



87.5895, 0.3141, 0.3402



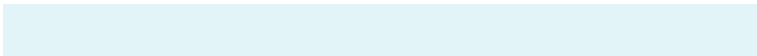
87.5895, 0.3045, 0.3167

Square

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



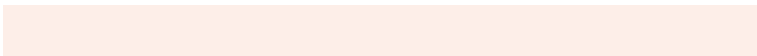
87.5895, 0.3141, 0.3402



87.5895, 0.2989, 0.3232



87.5895, 0.3112, 0.3182



87.5895, 0.3268, 0.3346

Rectangle

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



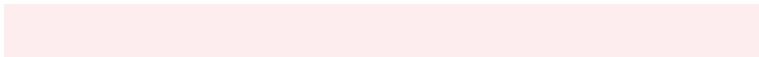
87.5895, 0.3141, 0.3402



87.5895, 0.3030, 0.3317



87.5895, 0.3112, 0.3182



87.5895, 0.3225, 0.3263

Sweetspot

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



87.5933, 0.3141, 0.3402



99.4841, 0.3130, 0.3314



87.1470, 0.3196, 0.3369



21.2991, 0.3130, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

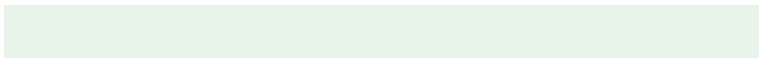
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5933, 0.3141, 0.3402



97.4765, 0.3142, 0.3415



87.2341, 0.3108, 0.3378



19.0397, 0.3145, 0.3432



35.8521, 0.3114, 0.5909



3.1993, 0.3202, 0.5840

Inverse Universe

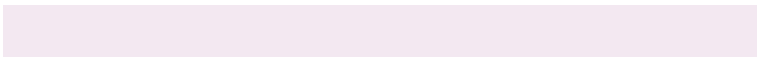
The Inverse Universe completely reimagines the original color for something new.



82.7386, 0.3113, 0.3179



91.4930, 0.3111, 0.3167



83.1138, 0.3147, 0.3204



17.7138, 0.3109, 0.3150



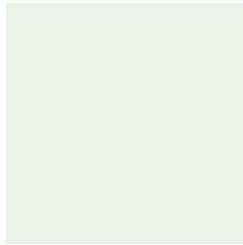
8.8217, 0.2542, 0.1174



0.8254, 0.2628, 0.1221

Previews

White Background



This preview shows how the Yxy color 87.5895, 0.3141, 0.3402 looks on a white background.

Color Contrast Check

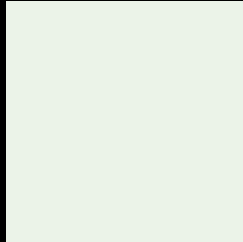
Large Text (above 18pt) WCAG AA × Fail

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 87.5895, 0.3141, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

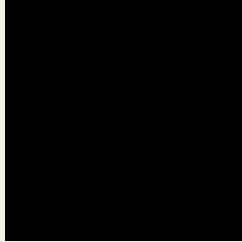
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

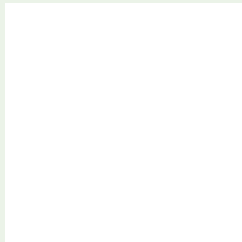
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5895, 0.3141, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 87.5895, 0.3141, 0.3402.

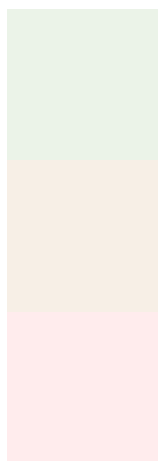


This preview shows how white text looks on a background with the Yxy color 87.5895, 0.3141, 0.3402.

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

87.5895, 0.3141, 0.3402

Protanopia

87.2203, 0.3236, 0.3380

Deuteranopia

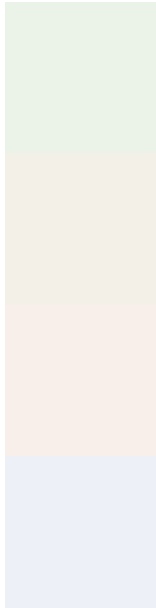
87.3653, 0.3249, 0.3281



Tritanopia

87.3037, 0.3031, 0.3131

Trichromacy



Original Color

87.5895, 0.3141, 0.3402

Protanomaly

87.1444, 0.3202, 0.3381

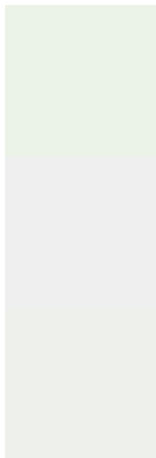
Deuteranomaly

87.6876, 0.3212, 0.3330

Tritanomaly

87.2127, 0.3072, 0.3220

Monochromacy



Original Color

87.5895, 0.3141, 0.3402

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5534, 0.3138, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5895, 0.3141, 0.3402 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(235, 243, 232)` looks like.

```
.text, #text, p{  
    color:rgb(235, 243, 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(235, 243, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 243, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.5895, 0.3141, 0.3402 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(235, 243, 232) }
```

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

```
.border{ border-color:rgb(235, 243, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 243, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 243, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 243, 232);  
box-shadow:4px 4px 4px 4px rgb(235, 243,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5895, 0.3141, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 243, 232) }
```

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

```
.background{ background-color: rgb(235,  
243, 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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