

Converting Colors

Yxy(86.9530, 0.3147, 0.3387)

Have a look what the booklet for
Yxy(86.9530, 0.3147, 0.3387)
contains.

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Color

Yxy(87.1633, 0.3149, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	ECF2E8
RGB	236, 242, 232
RGB Percent	93%, 95%, 91%
CMY	0.0743, 0.0510, 0.0903
CMYK	0.02, 0.00, 0.04, 0.05
HSL	96°, 28%, 93%
HSV	96°, 4%, 95%
XYZ	80.9190, 87.1633, 88.8850
YIQ	239.0660, -0.3660, -4.3820

Conversions

Conversions Part 2

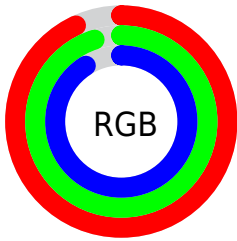
Format	Color
R _Y B	232, 242, 238
Decimal	15528680
CIE Lab	94.81, -3.73, 4.13
CIE LCh	95, 5.566, 132.114
Yxy	87.1633, 0.3149, 0.3392
Android (android.graphics.Color)	4293718760 (0xFFECEF2E8)
YUV	239.0660, -3.4835, -2.6889
Hunter-Lab	93.3613, -8.6710, 8.9056

Details

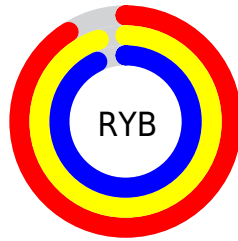
The Yxy color **87.1633, 0.3149, 0.3392** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2742, 0.3105, 0.3188**, and the grayscale version is **86.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9557, 0.3155, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **83.5248, 0.3201, 0.3656**, and if you desaturate by 10%, it is **91.1203, 0.3103, 0.3164**.

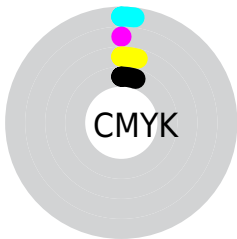
Distribution



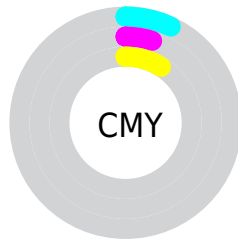
- Red (93%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)





- Cyan (7%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1633, 0.3149, 0.3392 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 87.1633, 0.3149, 0.3392 by changing the saturation by 10% instead.

 87.1633, 0.3149,
0.3392

 87.1633, 0.3149,
0.3392

518.7593, 0.3139,
0.3346

 65.6304, 0.3151,
0.3402

143.3917, 0.3146,
0.3376

 47.9724, 0.3154,
0.3415

178.8560, 0.3144,
0.3370

 33.8050, 0.3157,
0.3430


219.7328, 0.3143,
0.3365

 22.7439, 0.3161,
0.3451

266.4066, 0.3142,
0.3360

 14.4045, 0.3166,
0.3477

319.2618, 0.3141,
0.3356

 8.4025, 0.3173,
0.3515

378.6827, 0.3141,

 4.3536, 0.3184,

0.3352

0.3572

445.0537, 0.3140,
0.3349

■ 1.8733, 0.3200,
0.3667

■ 0.5322, 0.3351,
0.4300

■ 87.1633, 0.3149,
0.3392

■ 87.1633, 0.3149,
0.3392

■ 83.5248, 0.3201,
0.3656

■ 91.1203, 0.3103,
0.3164

■ 80.2571, 0.3251,
0.3943

■ 91.9806, 0.3133,
0.3165

■ 77.3512, 0.3296,
0.4247

■ 74.7930, 0.3332,
0.4561

■ 72.5679, 0.3355,
0.4872

■ 70.6596, 0.3363,
0.5163

■ 69.0507, 0.3351,
0.5416

■ 67.7212, 0.3319,
0.5617

■ 66.6477, 0.3270,
0.5755

Harmonies

Analogous

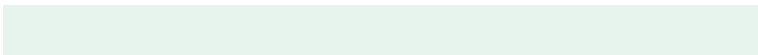
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1633, 0.3207, 0.3399



87.1633, 0.3149, 0.3392



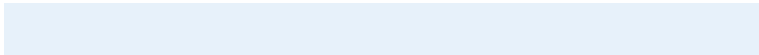
87.1633, 0.3086, 0.3357

Triad

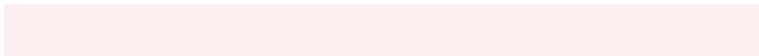
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1633, 0.3149, 0.3392



87.1633, 0.3012, 0.3203



87.1633, 0.3222, 0.3276

Complementary

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



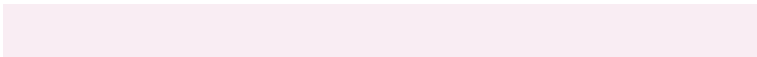
87.1633, 0.3149, 0.3392



82.2742, 0.3105, 0.3188

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.



87.1633, 0.3168, 0.3225



87.1633, 0.3149, 0.3392



87.1633, 0.3047, 0.3183

Square

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



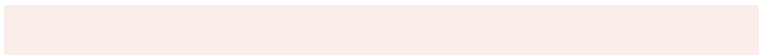
87.1633, 0.3149, 0.3392



87.1633, 0.3007, 0.3247



87.1633, 0.3105, 0.3191



87.1633, 0.3249, 0.3332

Rectangle

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



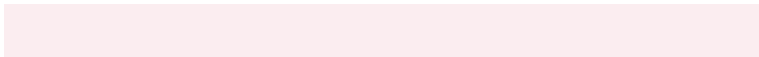
87.1633, 0.3149, 0.3392



87.1633, 0.3049, 0.3322



87.1633, 0.3105, 0.3191



87.1633, 0.3206, 0.3258

Sweetspot

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



87.1671, 0.3149, 0.3392



99.5510, 0.3132, 0.3314



85.7455, 0.3191, 0.3349



21.3128, 0.3132, 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.



87.1671, 0.3149, 0.3392



97.7992, 0.3154, 0.3414



86.5251, 0.3117, 0.3384



18.2660, 0.3157, 0.3431



35.5973, 0.3249, 0.5802



3.0180, 0.3352, 0.5721

Inverse Universe

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



82.2742, 0.3105, 0.3188



91.1630, 0.3100, 0.3166



82.9370, 0.3137, 0.3198



16.8635, 0.3096, 0.3150



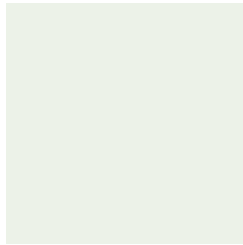
6.6912, 0.2217, 0.0995



0.6146, 0.2345, 0.1065

Previews

White Background



This preview shows how the Yxy color 87.1633, 0.3149, 0.3392 looks on a white background.

Color Contrast Check

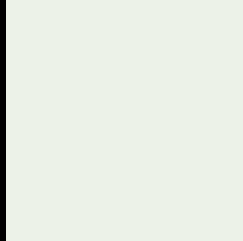
Large Text (above 18pt) WCAG AA × Fail

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 87.1633, 0.3149, 0.3392 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

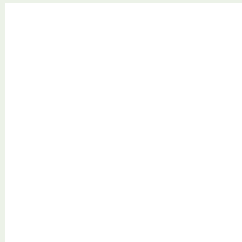
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1633, 0.3149, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 87.1633, 0.3149, 0.3392.

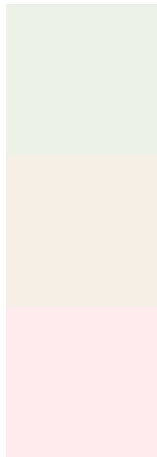


This preview shows how white text looks on a background with the Yxy color 87.1633, 0.3149, 0.3392.

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

87.1633, 0.3149, 0.3392

Protanopia

87.0390, 0.3230, 0.3380

Deuteranopia

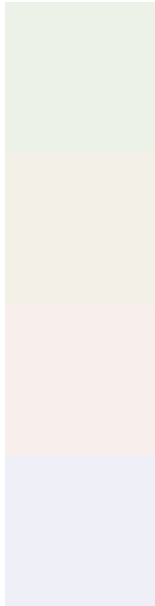
86.7911, 0.3250, 0.3271



Tritanopia

86.8943, 0.3038, 0.3121

Trichromacy



Original Color

87.1633, 0.3149, 0.3392

Protanomaly

86.9669, 0.3196, 0.3381

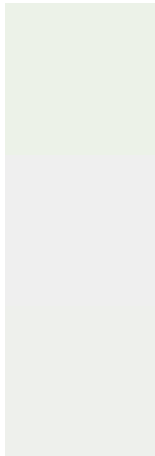
Deuteranomaly

87.1037, 0.3213, 0.3320

Tritanomaly

86.7991, 0.3079, 0.3210

Monochromacy



Original Color

87.1633, 0.3149, 0.3392

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 87.1633, 0.3149, 0.3392 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(236, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 242, 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(236, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 242, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.1633, 0.3149, 0.3392 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(236, 242, 232) }
```

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

```
.border{ border-color:rgb(236, 242, 232) }
```

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

Here you see how a box with a 4 pixel rgb(236, 242, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 242,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1633, 0.3149, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 242, 232) }
```

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

```
.background{ background-color: rgb(236,  
242, 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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