

Converting Colors

Yxy(88.9811, 0.3112, 0.3404)

Have a look what the booklet for
Yxy(88.9811, 0.3112, 0.3404)
contains.

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Color

Yxy(89.1757, 0.3115, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	E9F6EA
RGB	233, 246, 234
RGB Percent	91%, 96%, 92%
CMY	0.0863, 0.0353, 0.0823
CMYK	0.05, 0.00, 0.05, 0.04
HSL	125°, 42%, 94%
HSV	125°, 5%, 96%
XYZ	81.4133, 89.1757, 90.7700
YIQ	240.7450, -3.8960, -6.4880

Conversions

Conversions Part 2

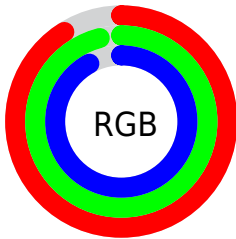
Format	Color
R _Y B	233, 245, 246
Decimal	15333098
CIE Lab	95.65, -6.42, 4.28
CIE LCh	96, 7.711, 146.325
Yxy	89.1757, 0.3115, 0.3412
Android (android.graphics.Color)	4293523178 (0xFFE9F6EA)
YUV	240.7450, -3.3253, -6.7924
Hunter-Lab	94.4329, -11.3675, 9.1128

Details

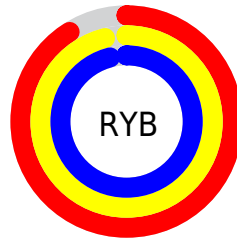
The Yxy color **89.1757, 0.3115, 0.3412** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4671, 0.3139, 0.3171**, and the grayscale version is **87.7844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3884, 0.3112, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **84.1013, 0.3091, 0.3668**, and if you desaturate by 10%, it is **94.3938, 0.3131, 0.3204**.

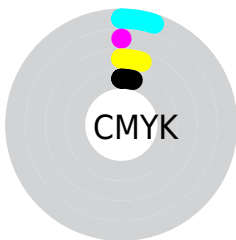
Distribution



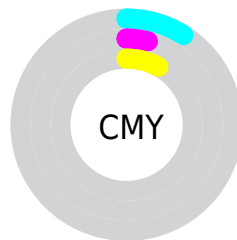
- Red (91%)
- Green (96%)
- Blue (92%)



- Red (91%)
- Yellow (96%)
- Blue (96%)



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





- Cyan (9%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1757, 0.3115, 0.3412 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 89.1757, 0.3115, 0.3412 by changing the saturation by 10% instead.

 89.1757, 0.3115,
0.3412

 89.1757, 0.3115,
0.3412

525.3458, 0.3121,
0.3357

 67.2972, 0.3114,
0.3424


146.1929, 0.3117,
0.3393

 49.3262, 0.3112,
0.3439


182.1003, 0.3118,
0.3386

 34.8783, 0.3110,
0.3458


223.4529, 0.3118,
0.3379

 23.5691, 0.3107,
0.3482

270.6349, 0.3119,
0.3374

 15.0143, 0.3104,
0.3514

324.0308, 0.3120,
0.3369

 8.8294, 0.3098,
0.3559

384.0250, 0.3120,

 4.6301, 0.3090,

0.3365

0.3626

451.0018, 0.3120,
0.3361

■ 2.0319, 0.3075,
0.3738

■ 0.6259, 0.3029,
0.4326

■ 89.1757, 0.3115,
0.3412

■ 89.1757, 0.3115,
0.3412

■ 84.1013, 0.3091,
0.3668

■ 94.3938, 0.3131,
0.3204

■ 79.7374, 0.3066,
0.3955

■ 76.0556, 0.3042,
0.4271

■ 73.0216, 0.3019,
0.4606

■ 70.5976, 0.3000,
0.4947

■ 68.7424, 0.2986,
0.5271

■ 67.4092, 0.2979,
0.5556

■ 66.5442, 0.2979,
0.5776

■ 66.0814, 0.2986,
0.5920

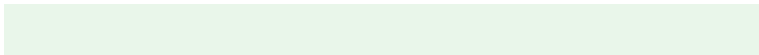
Harmonies

Analogous

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



89.1757, 0.3201, 0.3441



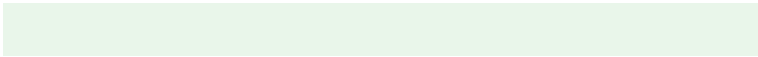
89.1757, 0.3115, 0.3412



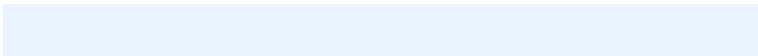
89.1757, 0.3033, 0.3349

Triad

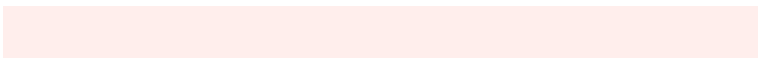
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1757, 0.3115, 0.3412



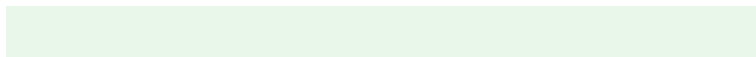
89.1757, 0.2987, 0.3152



89.1757, 0.3281, 0.3307

Complementary

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



89.1757, 0.3115, 0.3412



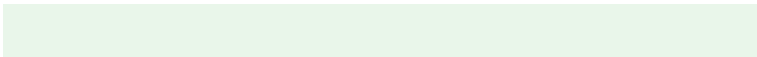
84.4671, 0.3139, 0.3171

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.



89.1757, 0.3222, 0.3232



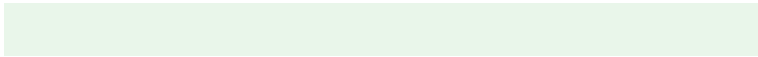
89.1757, 0.3115, 0.3412



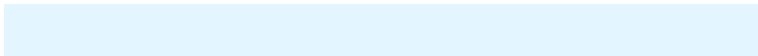
89.1757, 0.3052, 0.3143

Square

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



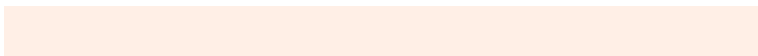
89.1757, 0.3115, 0.3412



89.1757, 0.2960, 0.3198



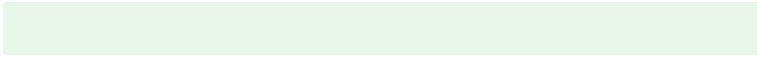
89.1757, 0.3138, 0.3173



89.1757, 0.3298, 0.3379

Rectangle

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



89.1757, 0.3115, 0.3412



89.1757, 0.2991, 0.3297



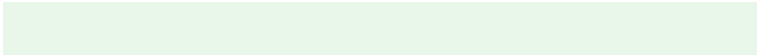
89.1757, 0.3138, 0.3173



89.1757, 0.3265, 0.3281

Sweetspot

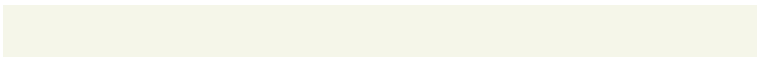
The Sweet Spot groups the original color and five complimentary colors.



89.1795, 0.3115, 0.3412



98.7461, 0.3123, 0.3335



91.2345, 0.3200, 0.3419



21.1489, 0.3123, 0.3333



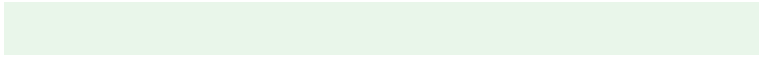
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

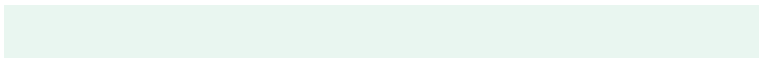
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1795, 0.3115, 0.3412



96.3366, 0.3113, 0.3430



89.5518, 0.3078, 0.3347



18.8098, 0.3112, 0.3445



35.2138, 0.2986, 0.5950



3.1020, 0.2953, 0.5832

Inverse Universe

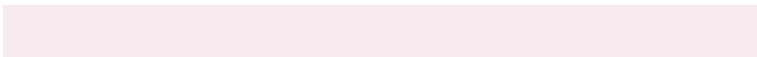
The Inverse Universe completely reimagines the original color for something new.



84.4671, 0.3139, 0.3171



90.5478, 0.3141, 0.3154



84.0853, 0.3180, 0.3234



17.5622, 0.3143, 0.3140



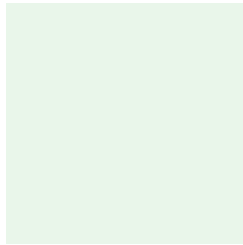
13.4274, 0.3413, 0.1654



1.1866, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 89.1757, 0.3115, 0.3412 looks on a white background.

Color Contrast Check

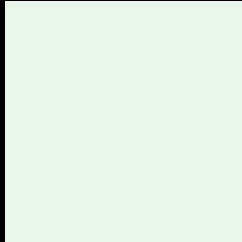
Large Text (above 18pt) WCAG AA × Fail

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 89.1757, 0.3115, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

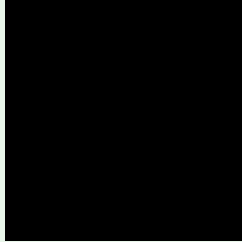
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

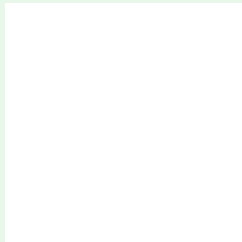
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1757, 0.3115, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 89.1757, 0.3115, 0.3412.

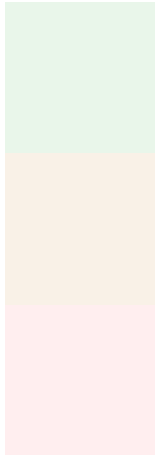


This preview shows how white text looks on a background with the Yxy color 89.1757, 0.3115, 0.3412.

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

89.1757, 0.3115, 0.3412

Protanopia

88.8199, 0.3242, 0.3390

Deuteranopia

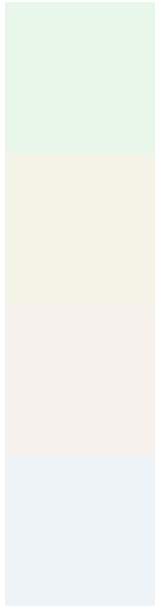
88.6411, 0.3234, 0.3281



Tritanopia

89.0750, 0.3031, 0.3161

Trichromacy



Original Color

89.1757, 0.3115, 0.3412

Protanomaly

88.9821, 0.3194, 0.3400

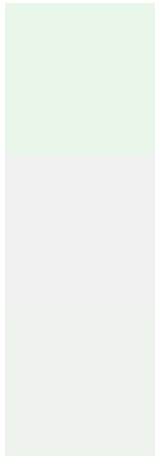
Deuteranomaly

88.7992, 0.3191, 0.3330

Tritanomaly

88.8211, 0.3065, 0.3250

Monochromacy



Original Color

89.1757, 0.3115, 0.3412

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.4514, 0.3125, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1757, 0.3115, 0.3412 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(233, 246, 234)` looks like.

```
.text, #text, p{  
    color:rgb(233, 246, 234)  
}
```

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(233, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 246, 234) }
```

Border

The CSS property to change the border of an element to Yxy 89.1757, 0.3115, 0.3412 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(233, 246, 234) }
```

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

```
.border{ border-color:rgb(233, 246, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 246, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 246, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 246, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 246,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1757, 0.3115, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 246, 234) }
```

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

```
.background{ background-color: rgb(233,  
246, 234) }
```

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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