

Converting Colors

$Yxy(89.1707, 0.3107, 0.3444)$

Have a look what the booklet for
Yxy(89.1707, 0.3107, 0.3444)
contains.

Yxy(89.1707, 0.3107, 0.3444)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.1707, 0.3107, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	E6F7E8
RGB	230, 247, 232
RGB Percent	90%, 97%, 91%
CMY	0.0982, 0.0313, 0.0903
CMYK	0.07, 0.00, 0.06, 0.03
HSL	127°, 52%, 94%
HSV	127°, 7%, 97%
XYZ	80.4452, 89.1707, 89.3002
YIQ	240.2070, -5.3170, -8.2690

Conversions

Conversions Part 2

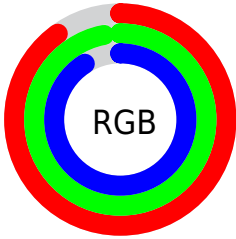
Format	Color
R _{YB}	230, 245, 247
Decimal	15136744
CIE Lab	95.65, -8.30, 5.29
CIE LCh	96, 9.843, 147.464
Yxy	89.1707, 0.3107, 0.3444
Android (android.graphics.Color)	4293326824 (0xFFE6F7E8)
YUV	240.2070, -4.0461, -8.9515
Hunter-Lab	94.4302, -13.1886, 10.0322

Details

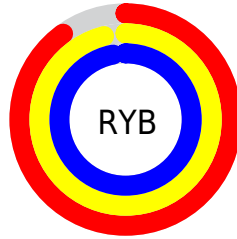
The Yxy color **89.1707, 0.3107, 0.3444** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9370, 0.3148, 0.3141**, and the grayscale version is **87.3393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3949, 0.3102, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **84.2129, 0.3077, 0.3693**, and if you desaturate by 10%, it is **94.8684, 0.3136, 0.3226**.

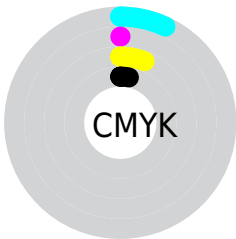
Distribution



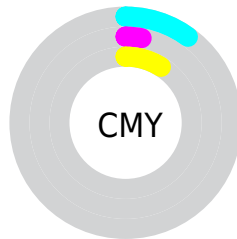
- Red (90%)
- Green (97%)
- Blue (91%)



- Red (90%)
- Yellow (96%)
- Blue (97%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (10%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1707, 0.3107, 0.3444 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 89.1707, 0.3107, 0.3444 by changing the saturation by 10% instead.

 89.1707, 0.3107,
0.3444

 89.1707, 0.3107,
0.3444

525.3295, 0.3116,
0.3375

 67.2930, 0.3105,
0.3459


146.1859, 0.3110,
0.3420

 49.3228, 0.3102,
0.3478


182.0923, 0.3112,
0.3411

 34.8756, 0.3099,
0.3502


223.4436, 0.3113,
0.3403

 23.5671, 0.3094,
0.3533

270.6244, 0.3114,
0.3396

 15.0128, 0.3088,
0.3574

324.0190, 0.3114,
0.3389

 8.8284, 0.3079,
0.3631

384.0117, 0.3115,

 4.6294, 0.3066,

0.3384

0.3717

450.9871, 0.3116,
0.3379

■ 2.0315, 0.3041,
0.3862

■ 0.6257, 0.2951,
0.4708

■ 89.1707, 0.3107,
0.3444

■ 89.1707, 0.3107,
0.3444

■ 84.2129, 0.3077,
0.3693

■ 94.8684, 0.3136,
0.3226

■ 79.9538, 0.3047,
0.3971

■ 95.0143, 0.3131,
0.3214

■ 76.3652, 0.3018,
0.4277

■ 73.4129, 0.2993,
0.4601

■ 71.0595, 0.2972,
0.4929

■ 69.2637, 0.2960,
0.5244

■ 67.9789, 0.2956,
0.5523

■ 67.1508, 0.2963,
0.5744

■ 66.7115, 0.2976,
0.5895

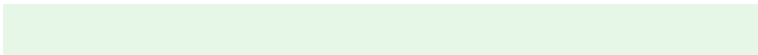
Harmonies

Analogous

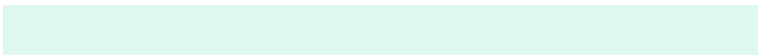
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1707, 0.3218, 0.3483



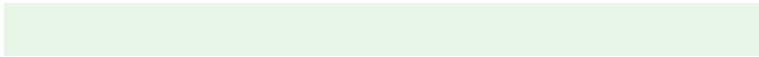
89.1707, 0.3107, 0.3444



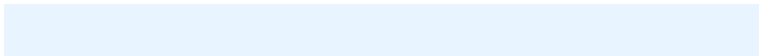
89.1707, 0.3003, 0.3362

Triad

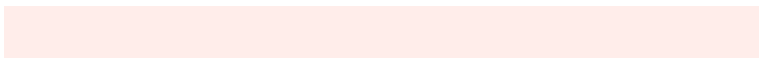
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1707, 0.3107, 0.3444



89.1707, 0.2951, 0.3113



89.1707, 0.3325, 0.3315

Complementary

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



89.1707, 0.3107, 0.3444



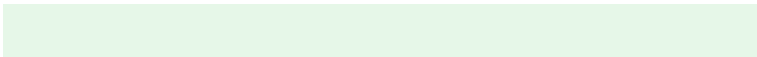
82.9370, 0.3148, 0.3141

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.



89.1707, 0.3251, 0.3219



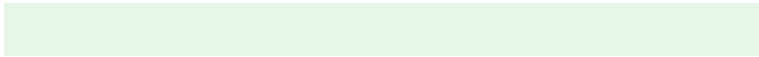
89.1707, 0.3107, 0.3444



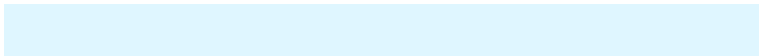
89.1707, 0.3035, 0.3104

Square

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



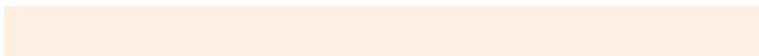
89.1707, 0.3107, 0.3444



89.1707, 0.2914, 0.3169



89.1707, 0.3145, 0.3143



89.1707, 0.3345, 0.3406

Rectangle

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



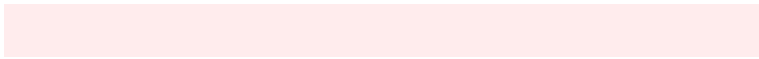
89.1707, 0.3107, 0.3444



89.1707, 0.2951, 0.3294



89.1707, 0.3145, 0.3143



89.1707, 0.3306, 0.3282

Sweetspot

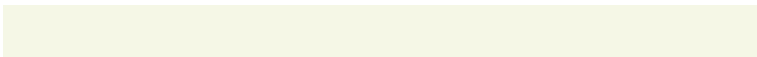
The Sweet Spot groups the original color and five complimentary colors.



89.1745, 0.3107, 0.3444



98.7595, 0.3121, 0.3333



91.6626, 0.3217, 0.3460



21.1516, 0.3122, 0.3331



0.0000, 0.0000, 0.0000



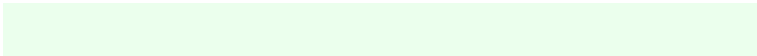
21.4041, 0.3127, 0.3290

Same Dimension

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



89.1745, 0.3107, 0.3444



95.2300, 0.3104, 0.3470



89.6691, 0.3057, 0.3356



18.5041, 0.3099, 0.3505



35.2395, 0.2976, 0.5912



3.1073, 0.2929, 0.5746

Inverse Universe

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



82.9370, 0.3148, 0.3141



87.5127, 0.3151, 0.3116



82.4299, 0.3202, 0.3225



16.7324, 0.3156, 0.3084



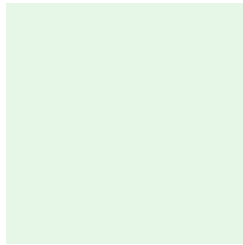
13.1391, 0.3534, 0.1720



1.1642, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 89.1707, 0.3107, 0.3444 looks on a white background.

Color Contrast Check

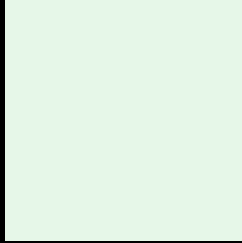
Large Text (above 18pt) WCAG AA × Fail

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 89.1707, 0.3107, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

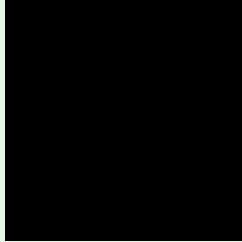
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

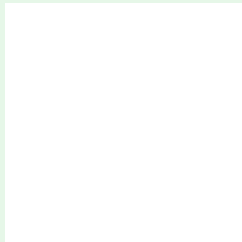
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1707, 0.3107, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 89.1707, 0.3107, 0.3444.

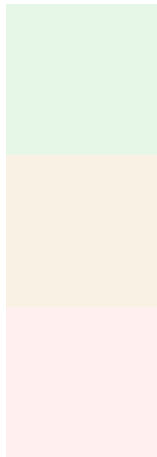


This preview shows how white text looks on a background with the Yxy color 89.1707, 0.3107, 0.3444.

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

89.1707, 0.3107, 0.3444

Protanopia

88.8917, 0.3261, 0.3409

Deuteranopia

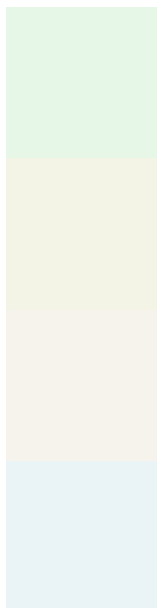
89.2250, 0.3234, 0.3290



Tritanopia

88.7288, 0.3018, 0.3161

Trichromacy



Original Color

89.1707, 0.3107, 0.3444

Protanomaly

88.8690, 0.3206, 0.3421

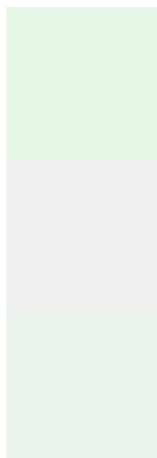
Deuteranomaly

89.1532, 0.3190, 0.3350

Tritanomaly

88.9092, 0.3046, 0.3260

Monochromacy



Original Color

89.1707, 0.3107, 0.3444

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

88.0485, 0.3118, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1707, 0.3107, 0.3444 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(230, 247, 232)` looks like.

```
.text, #text, p{  
    color:rgb(230, 247, 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(230, 247, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 247, 232) }
```

Border

The CSS property to change the border of an element to Yxy 89.1707, 0.3107, 0.3444 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(230, 247, 232) }
```

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

```
.border{ border-color:rgb(230, 247, 232) }
```

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

Here you see how a box with a 4 pixel rgb(230, 247, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 247, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 247, 232);  
box-shadow:4px 4px 4px 4px rgb(230, 247,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1707, 0.3107, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 247, 232) }
```

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

```
.background{ background-color: rgb(230,  
247, 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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