

Converting Colors

Yxy(89.6323, 0.3054, 0.3394)

Have a look what the booklet for
Yxy(89.6323, 0.3054, 0.3394)
contains.

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Color

Yxy(89.6387, 0.3053, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	E3F8EE
RGB	227, 248, 238
RGB Percent	89%, 97%, 93%
CMY	0.1098, 0.0274, 0.0666
CMYK	0.08, 0.00, 0.04, 0.03
HSL	151°, 60%, 93%
HSV	151°, 8%, 97%
XYZ	80.6801, 89.6387, 93.9462
YIQ	240.5810, -9.3060, -7.5620

Conversions

Conversions Part 2

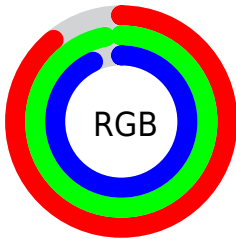
Format	Color
R _Y B	227, 241, 248
Decimal	14940398
CIE Lab	95.85, -8.68, 2.44
CIE LCh	96, 9.014, 164.309
Yxy	89.6387, 0.3053, 0.3392
Android (android.graphics.Color)	4293130478 (0xFFE3F8EE)
YUV	240.5810, -1.2724, -11.9105
Hunter-Lab	94.6777, -13.5763, 7.4425

Details

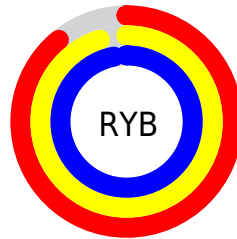
The Yxy color **89.6387, 0.3053, 0.3392** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.0115, 0.3208, 0.3190**, and the grayscale version is **87.6354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8473, 0.3041, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **85.2248, 0.2968, 0.3526**, and if you desaturate by 10%, it is **94.6865, 0.3141, 0.3273**.

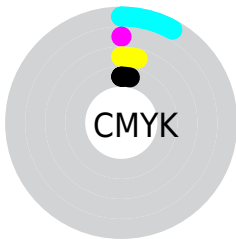
Distribution



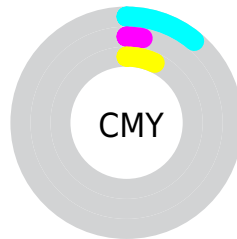
- Red (89%)
- Green (97%)
- Blue (93%)



- Red (89%)
- Yellow (95%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (11%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6387, 0.3053, 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 89.6387, 0.3053, 0.3392 by changing the saturation by 10% instead.


 89.6387, 0.3053,
0.3392

 89.6387, 0.3053,
0.3392


526.8549, 0.3086,
0.3346

 67.6810, 0.3046,
0.3402

146.8364, 0.3064,
0.3376

 49.6383, 0.3037,
0.3415


182.8453, 0.3069,
0.3370

 35.1261, 0.3025,
0.3430


224.3066, 0.3073,
0.3365

 23.7600, 0.3011,
0.3450

271.6049, 0.3076,
0.3360

 15.1557, 0.2992,
0.3476

325.1244, 0.3079,
0.3356

 8.9287, 0.2965,
0.3514

385.2497, 0.3082,

 4.6947, 0.2926,

0.3352

0.3569

452.3650, 0.3084,
0.3349

■ 2.0693, 0.2861,
0.3661

■ 0.6473, 0.2545,
0.4084

■ 89.6387, 0.3053,
0.3392

■ 89.6387, 0.3053,
0.3392

■ 85.2248, 0.2968,
0.3526


■ 94.6865, 0.3141,
0.3273


■ 81.4078, 0.2887,
0.3673


■ 95.6173, 0.3130,
0.3223


■ 78.1642, 0.2814,
0.3834


■ 75.4644, 0.2752,
0.4008

 73.2760, 0.2705,
0.4190

 71.5633, 0.2675,
0.4378

 70.2854, 0.2665,
0.4567

 69.3944, 0.2675,
0.4752

 68.8225, 0.2705,
0.4928

Harmonies

Analogous

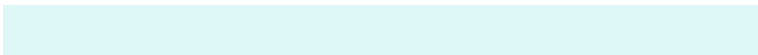
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6387, 0.3154, 0.3452



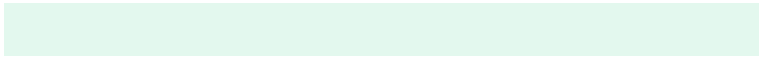
89.6387, 0.3053, 0.3392



89.6387, 0.2973, 0.3304

Triad

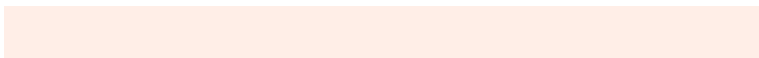
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6387, 0.3053, 0.3392



89.6387, 0.3005, 0.3118



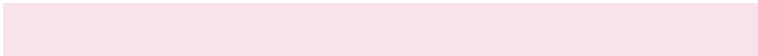
89.6387, 0.3325, 0.3362

Complementary

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



89.6387, 0.3053, 0.3392



81.0115, 0.3208, 0.3190

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.



89.6387, 0.3284, 0.3274



89.6387, 0.3053, 0.3392



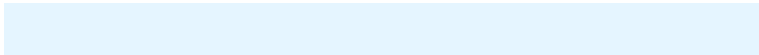
89.6387, 0.3098, 0.3135

Square

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



89.6387, 0.3053, 0.3392



89.6387, 0.2945, 0.3146



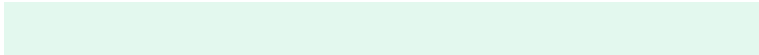
89.6387, 0.3200, 0.3191



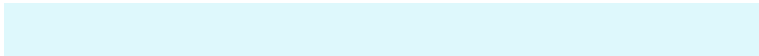
89.6387, 0.3312, 0.3433

Rectangle

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



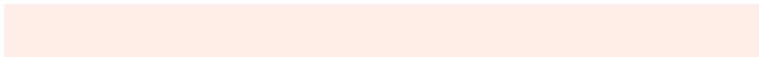
89.6387, 0.3053, 0.3392



89.6387, 0.2941, 0.3242



89.6387, 0.3200, 0.3191



89.6387, 0.3317, 0.3333

Sweetspot

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



89.6425, 0.3053, 0.3392



98.3456, 0.3101, 0.3325



90.7146, 0.3182, 0.3503



20.9576, 0.3094, 0.3335



0.0000, 0.0000, 0.0000



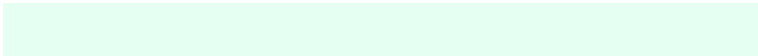
21.4041, 0.3127, 0.3290

Same Dimension

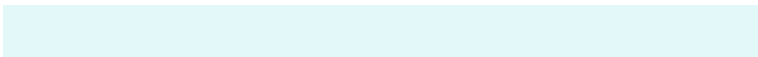
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6425, 0.3053, 0.3392



94.7234, 0.3040, 0.3412



90.0313, 0.2996, 0.3286



19.4613, 0.3044, 0.3405



37.1655, 0.2702, 0.4927



3.4636, 0.2644, 0.4717

Inverse Universe

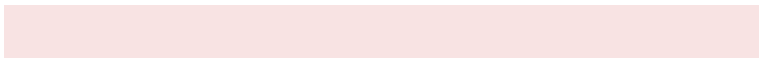
The Inverse Universe completely reimagines the original color for something new.



81.0115, 0.3208, 0.3190



83.9645, 0.3224, 0.3171



80.6352, 0.3274, 0.3294



17.3628, 0.3219, 0.3178



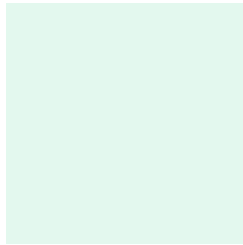
11.5150, 0.5065, 0.2564



1.0878, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 89.6387, 0.3053, 0.3392 looks on a white background.

Color Contrast Check

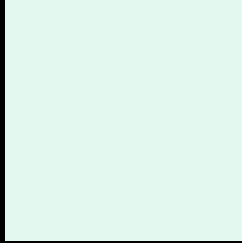
Large Text (above 18pt) WCAG AA × Fail

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 89.6387, 0.3053, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

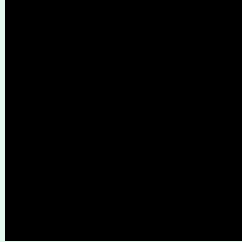
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

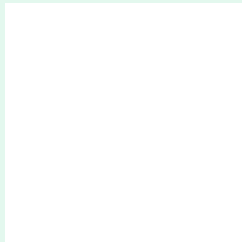
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6387, 0.3053, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 89.6387, 0.3053, 0.3392.

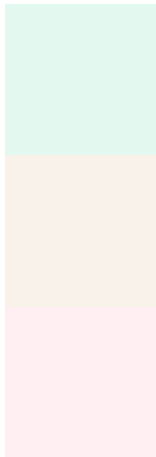


This preview shows how white text looks on a background with the Yxy color 89.6387, 0.3053, 0.3392.

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

89.6387, 0.3053, 0.3392

Protanopia

89.5845, 0.3222, 0.3369

Deuteranopia

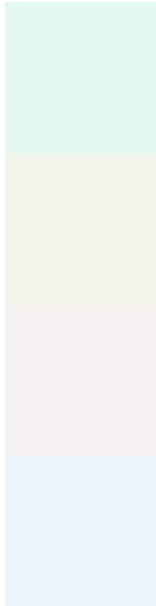
89.4038, 0.3215, 0.3261



Tritanopia

89.7542, 0.3012, 0.3181

Trichromacy



Original Color

89.6387, 0.3053, 0.3392

Protanomaly

89.4003, 0.3162, 0.3380

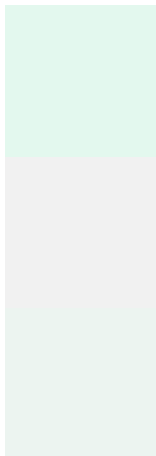
Deuteranomaly

89.2676, 0.3153, 0.3300

Tritanomaly

89.4680, 0.3028, 0.3250

Monochromacy



Original Color

89.6387, 0.3053, 0.3392

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.8255, 0.3100, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6387, 0.3053, 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(227, 248, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 248, 238)  
}
```

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(227, 248, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 248, 238) }
```

Border

The CSS property to change the border of an element to Yxy 89.6387, 0.3053, 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(227, 248, 238) }
```

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

```
.border{ border-color:rgb(227, 248, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 248, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 248, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 248, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 248,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6387, 0.3053, 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(227, 248, 238) }
```

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

```
.background{ background-color: rgb(227,  
248, 238) }
```

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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