

Converting Colors

$Yxy(89.7083, 0.3026, 0.3328)$

Have a look what the booklet for
Yxy(89.7083, 0.3026, 0.3328)
contains.

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Color

Yxy(89.5472, 0.3025, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	E4F7F4
RGB	228, 247, 244
RGB Percent	89%, 97%, 96%
CMY	0.1058, 0.0314, 0.0431
CMYK	0.08, 0.00, 0.01, 0.03
HSL	171°, 54%, 93%
HSV	171°, 8%, 97%
XYZ	81.5904, 89.5472, 98.5828
YIQ	240.9770, -10.3610, -4.9610

Conversions

Conversions Part 2

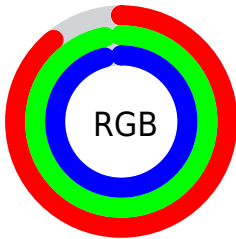
Format	Color
R _Y B	228, 238, 247
Decimal	15005684
CIE Lab	95.81, -6.74, -0.71
CIE LCh	96, 6.778, 186.012
Yxy	89.5472, 0.3025, 0.3320
Android (android.graphics.Color)	4293195764 (0xFFE4F7F4)
YUV	240.9770, 1.4903, -11.3808
Hunter-Lab	94.6294, -11.6968, 4.4735

Details

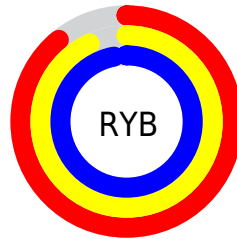
The Yxy color **89.5472, 0.3025, 0.3320** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.0409, 0.3240, 0.3260**, and the grayscale version is **87.9433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7767, 0.3005, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **85.5618, 0.2897, 0.3363**, and if you desaturate by 10%, it is **94.1223, 0.3158, 0.3281**.

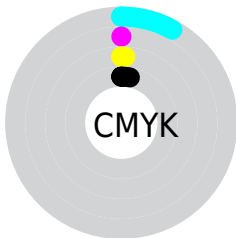
Distribution



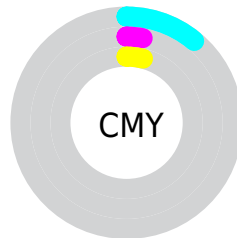
- Red (89%)
- Green (97%)
- Blue (96%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (11%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5472, 0.3025, 0.3320 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 89.5472, 0.3025, 0.3320 by changing the saturation by 10% instead.

 89.5472, 0.3025,
0.3320

 89.5472, 0.3025,
0.3320

526.5568, 0.3071,
0.3307

 67.6052, 0.3015,
0.3323

146.7093, 0.3040,
0.3316

 49.5766, 0.3003,
0.3326

182.6981, 0.3047,
0.3314

 35.0771, 0.2988,
0.3331


224.1380, 0.3052,
0.3312

 23.7223, 0.2968,
0.3336

271.4133, 0.3057,
0.3311

 15.1277, 0.2943,
0.3344

324.9084, 0.3061,
0.3310

 8.9091, 0.2907,
0.3353

385.0078, 0.3064,

 4.6819, 0.2855,

0.3309

452.0958, 0.3068,
0.3308

0.3368

■ 2.0619, 0.2771,
0.3391

■ 0.6431, 0.2428,
0.3496

■ 89.5472, 0.3025,
0.3320

■ 89.5472, 0.3025,
0.3320

■ 85.5618, 0.2897,
0.3363

■ 94.1223, 0.3158,
0.3281

■ 82.1303, 0.2778,
0.3409

■ 94.7958, 0.3150,
0.3244

■ 79.2304, 0.2671,
0.3458

■ 95.0014, 0.3131,
0.3214

■ 76.8338, 0.2578,
0.3511

■ 74.9099, 0.2502,
0.3565

■ 73.4242, 0.2445,
0.3621

■ 72.3379, 0.2407,
0.3678

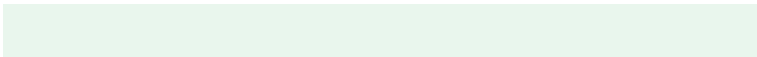
■ 71.6051, 0.2389,
0.3735

■ 71.1648, 0.2389,
0.3790

Harmonies

Analogous

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



89.5472, 0.3092, 0.3382



89.5472, 0.3025, 0.3320



89.5472, 0.2986, 0.3251

Triad

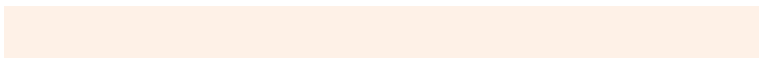
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5472, 0.3025, 0.3320



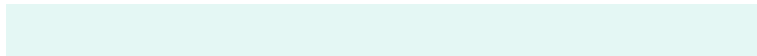
89.5472, 0.3084, 0.3166



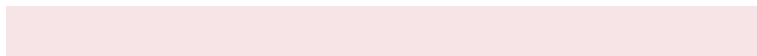
89.5472, 0.3273, 0.3385

Complementary

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



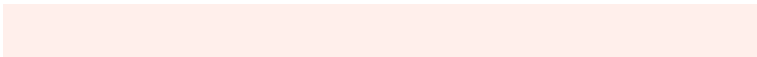
89.5472, 0.3025, 0.3320



81.0409, 0.3240, 0.3260

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.



89.5472, 0.3271, 0.3327



89.5472, 0.3025, 0.3320



89.5472, 0.3162, 0.3201

Square

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



89.5472, 0.3025, 0.3320



89.5472, 0.3019, 0.3163



89.5472, 0.3230, 0.3260



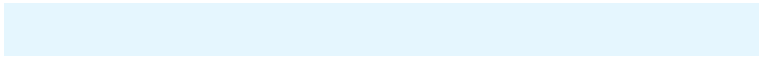
89.5472, 0.3235, 0.3419

Rectangle

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



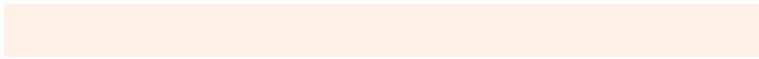
89.5472, 0.3025, 0.3320



89.5472, 0.2980, 0.3210



89.5472, 0.3230, 0.3260



89.5472, 0.3277, 0.3368

Sweetspot

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



89.5510, 0.3025, 0.3320



98.9940, 0.3100, 0.3298



89.1431, 0.3138, 0.3485



21.1993, 0.3102, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

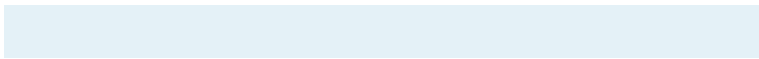
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5510, 0.3025, 0.3320



95.6739, 0.3008, 0.3325



85.9294, 0.3008, 0.3225



18.7104, 0.3002, 0.3327



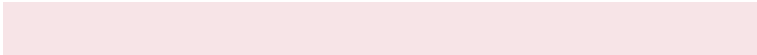
37.6113, 0.2387, 0.3794



3.3175, 0.2368, 0.3724

Inverse Universe

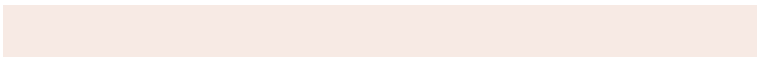
The Inverse Universe completely reimagines the original color for something new.



81.0409, 0.3240, 0.3260



85.0377, 0.3261, 0.3255



84.4193, 0.3253, 0.3354



16.5250, 0.3269, 0.3253



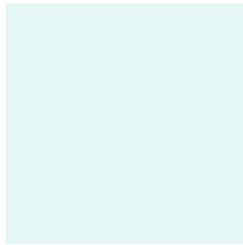
10.5479, 0.6179, 0.3178



0.9394, 0.5872, 0.3009

Previews

White Background



This preview shows how the Yxy color 89.5472, 0.3025, 0.3320 looks on a white background.

Color Contrast Check

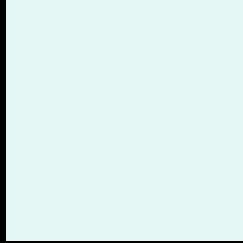
Large Text (above 18pt) WCAG AA × Fail

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 89.5472, 0.3025, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

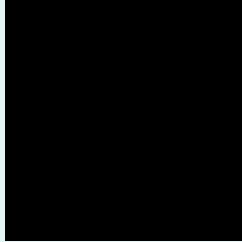
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

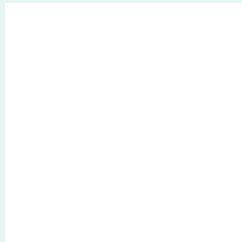
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5472, 0.3025, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 89.5472, 0.3025, 0.3320.

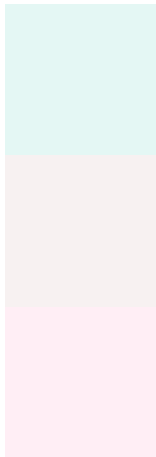


This preview shows how white text looks on a background with the Yxy color 89.5472, 0.3025, 0.3320.

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

89.5472, 0.3025, 0.3320

Protanopia

89.0356, 0.3167, 0.3290

Deuteranopia

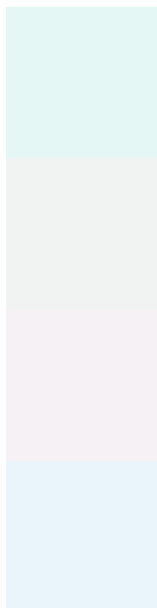
89.0016, 0.3197, 0.3222



Tritanopia

89.1541, 0.3012, 0.3170

Trichromacy



Original Color

89.5472, 0.3025, 0.3320

Protanomaly

89.0373, 0.3114, 0.3300

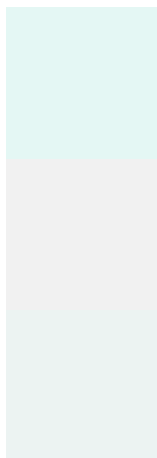
Deuteranomaly

88.9156, 0.3129, 0.3250

Tritanomaly

88.9900, 0.3016, 0.3220

Monochromacy



Original Color

89.5472, 0.3025, 0.3320

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3449, 0.3088, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5472, 0.3025, 0.3320 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(228, 247, 244)` looks like.

```
.text, #text, p{  
    color:rgb(228, 247, 244)  
}
```

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(228, 247, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 247, 244) }
```

Border

The CSS property to change the border of an element to Yxy 89.5472, 0.3025, 0.3320 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(228, 247, 244) }
```

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

```
.border{ border-color:rgb(228, 247, 244) }
```

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

Here you see how a box with a 4 pixel rgb(228, 247, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 247, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 247, 244);  
box-shadow:4px 4px 4px 4px rgb(228, 247,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5472, 0.3025, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 247, 244) }
```

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

```
.background{ background-color: rgb(228,  
247, 244) }
```

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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