

Converting Colors

$Yxy(89.6693, 0.3076, 0.3300)$

Have a look what the booklet for
Yxy(89.6693, 0.3076, 0.3300)
contains.

Yxy(89.6693, 0.3076, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6693, 0.3076, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	ECF5F4
RGB	236, 245, 244
RGB Percent	93%, 96%, 96%
CMY	0.0743, 0.0392, 0.0432
CMYK	0.04, 0.00, 0.00, 0.04
HSL	173°, 31%, 94%
HSV	173°, 4%, 96%
XYZ	83.5827, 89.6693, 98.4732
YIQ	242.1950, -5.0430, -2.2190

Conversions

Conversions Part 2

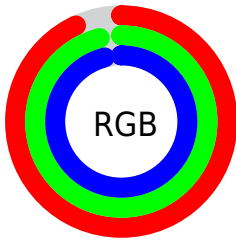
Format	Color
R _Y B	236, 241, 245
Decimal	15529460
CIE Lab	95.86, -3.12, -0.55
CIE LCh	96, 3.171, 189.999
Yxy	89.6693, 0.3076, 0.3300
Android (android.graphics.Color)	4293719540 (0xFFECEF5F4)
YUV	242.1950, 0.8899, -5.4330
Hunter-Lab	94.6939, -8.1592, 4.6294

Details

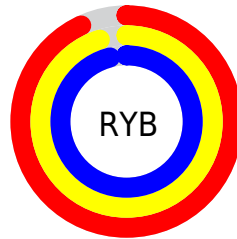
The Yxy color **89.6693, 0.3076, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.5489, 0.3181, 0.3280**, and the grayscale version is **88.9582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7293, 0.3061, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **85.5945, 0.2940, 0.3329**, and if you desaturate by 10%, it is **93.2619, 0.3181, 0.3273**.

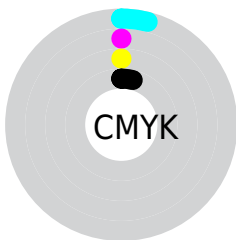
Distribution



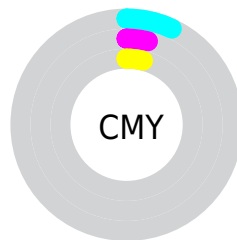
- Red (93%)
- Green (96%)
- Blue (96%)



- Red (93%)
- Yellow (95%)
- Blue (96%)



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




- Cyan (7%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6693, 0.3076, 0.3300 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 89.6693, 0.3076, 0.3300 by changing the saturation by 10% instead.


 89.6693, 0.3076,
0.3300

 89.6693, 0.3076,
0.3300

526.9545, 0.3099,
0.3296

 67.7064, 0.3071,
0.3301

146.8790, 0.3084,
0.3299

 49.6589, 0.3065,
0.3302


182.8945, 0.3087,
0.3298

 35.1425, 0.3057,
0.3304


224.3630, 0.3089,
0.3297

 23.7726, 0.3048,
0.3305

271.6690, 0.3092,
0.3297

 15.1650, 0.3035,
0.3308

325.1967, 0.3094,
0.3297

 8.9353, 0.3017,
0.3311

385.3306, 0.3096,

 4.6990, 0.2991,

0.3296

0.3316

452.4551, 0.3097,
0.3296

■ 2.0718, 0.2948,
0.3323

■ 0.6487, 0.2794,
0.3354

■ 89.6693, 0.3076,
0.3300

■ 89.6693, 0.3076,
0.3300

■ 85.5945, 0.2940,
0.3329

■ 93.2619, 0.3181,
0.3273

■ 82.0705, 0.2812,
0.3361

■ 93.4345, 0.3164,
0.3246

■ 79.0761, 0.2695,
0.3396

■ 93.6097, 0.3148,
0.3220

■ 76.5846, 0.2592,
0.3432

■ 93.7814, 0.3132,
0.3194

■ 74.5669, 0.2505,
0.3470

■ 72.9910, 0.2437,
0.3509

■ 71.8207, 0.2388,
0.3549

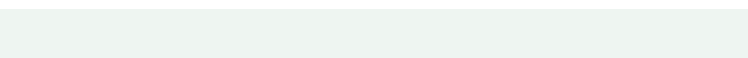
■ 71.0142, 0.2359,
0.3589

■ 70.5207, 0.2348,
0.3628

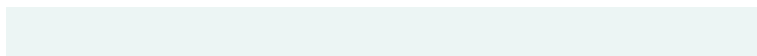
Harmonies

Analogous

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



89.6693, 0.3106, 0.3329



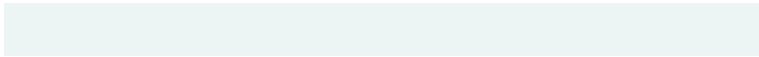
89.6693, 0.3076, 0.3300



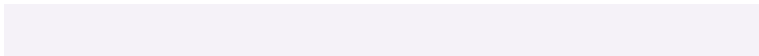
89.6693, 0.3060, 0.3268

Triad

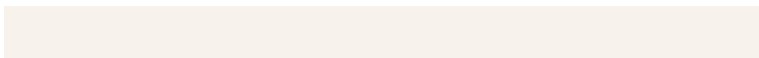
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6693, 0.3076, 0.3300



89.6693, 0.3112, 0.3233



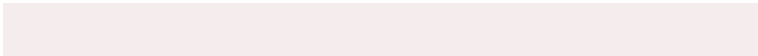
89.6693, 0.3194, 0.3338

Complementary

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



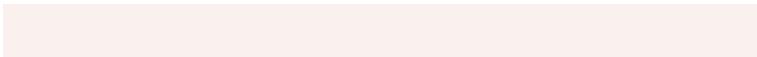
89.6693, 0.3076, 0.3300



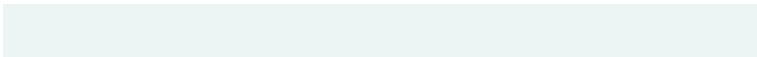
85.5489, 0.3181, 0.3280

Split Complementary

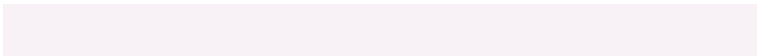
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6693, 0.3196, 0.3312



89.6693, 0.3076, 0.3300



89.6693, 0.3148, 0.3251

Square

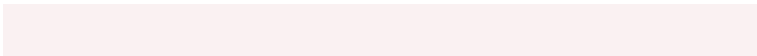
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6693, 0.3076, 0.3300



89.6693, 0.3080, 0.3230



89.6693, 0.3179, 0.3280



89.6693, 0.3174, 0.3351

Rectangle

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



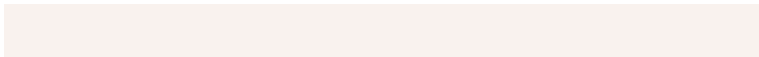
89.6693, 0.3076, 0.3300



89.6693, 0.3058, 0.3250



89.6693, 0.3179, 0.3280



89.6693, 0.3197, 0.3330

Sweetspot

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



89.6731, 0.3076, 0.3300



99.5010, 0.3113, 0.3293



89.3809, 0.3130, 0.3380



21.3026, 0.3114, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

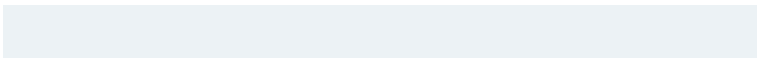
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6731, 0.3076, 0.3300



98.0422, 0.3071, 0.3301



87.6794, 0.3071, 0.3255



19.1476, 0.3061, 0.3303



37.8991, 0.2346, 0.3647



3.3400, 0.2333, 0.3597

Inverse Universe

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



85.5489, 0.3181, 0.3280



93.0950, 0.3186, 0.3279



87.4838, 0.3185, 0.3324



18.0060, 0.3198, 0.3277



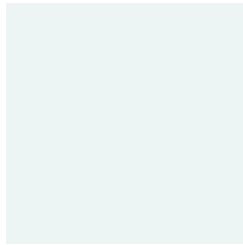
10.5125, 0.6264, 0.3224



0.9337, 0.6008, 0.3083

Previews

White Background



This preview shows how the Yxy color 89.6693, 0.3076, 0.3300 looks on a white background.

Color Contrast Check

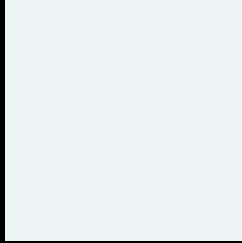
Large Text (above 18pt) WCAG AA × Fail

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 89.6693, 0.3076, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

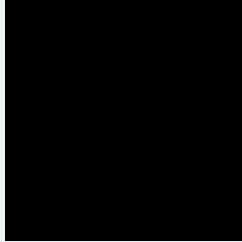
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

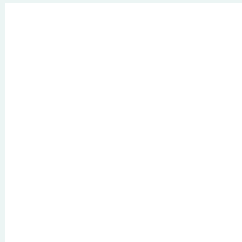
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6693, 0.3076, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 89.6693, 0.3076, 0.3300.

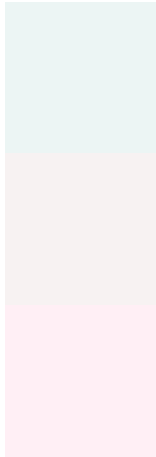


This preview shows how white text looks on a background with the Yxy color 89.6693, 0.3076, 0.3300.

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

89.6693, 0.3076, 0.3300

Protanopia

89.6892, 0.3160, 0.3290

Deuteranopia

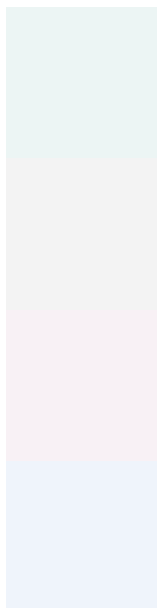
89.5856, 0.3196, 0.3232



Tritanopia

89.8464, 0.3037, 0.3171

Trichromacy



Original Color

89.6693, 0.3076, 0.3300

Protanomaly

89.6269, 0.3127, 0.3290

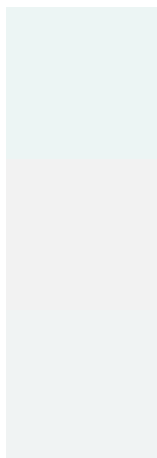
Deuteranomaly

89.4596, 0.3149, 0.3251

Tritanomaly

90.0171, 0.3054, 0.3220

Monochromacy



Original Color

89.6693, 0.3076, 0.3300

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.0975, 0.3108, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6693, 0.3076, 0.3300 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, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(236, 245, 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(236, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 244) }
```

Border

The CSS property to change the border of an element to Yxy 89.6693, 0.3076, 0.3300 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, 245, 244) }
```

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

```
.border{ border-color:rgb(236, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6693, 0.3076, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 245, 244) }
```

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

```
.background{ background-color: rgb(236,  
245, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor