

Converting Colors

$Yxy(89.9617, 0.3217, 0.3275)$

Have a look what the booklet for
Yxy(89.9617, 0.3217, 0.3275)
contains.

Yxy(89.9910, 0.3214, 0.3271)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.9910, 0.3214, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0F2
RGB	255, 240, 242
RGB Percent	100%, 94%, 95%
CMY	0.0000, 0.0588, 0.0510
CMYK	0.00, 0.06, 0.05, 0.00
HSL	352°, 100%, 97%
HSV	352°, 6%, 100%
XYZ	88.4228, 89.9910, 96.7039
YIQ	244.7130, 8.2980, 3.8020

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 240, 242
Decimal	16773362
CIE Lab	95.99, 5.37, 0.85
CIE LCh	96, 5.441, 8.936
Yxy	89.9910, 0.3214, 0.3271
Android (android.graphics.Color)	4294963442 (0xFFFFF0F2)
YUV	244.7130, -1.3375, 9.0217
Hunter-Lab	94.8636, 0.3695, 5.9643

Details

The Yxy color **89.9910, 0.3214, 0.3271** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.1343, 0.3047, 0.3309**, and the grayscale version is **91.0752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8319, 0.3230, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **74.7705, 0.3390, 0.3237**, and if you desaturate by 10%, it is **99.9984, 0.3127, 0.3290**.

Distribution



Red (100%)

Green (94%)

Blue (95%)



Red (100%)

Yellow (94%)

Blue (95%)



Cyan (0%)

Magenta (6%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9910, 0.3214, 0.3271 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 89.9910, 0.3214, 0.3271 by changing the saturation by 10% instead.

 89.9910, 0.3214,
0.3271

 89.9910, 0.3214,
0.3271


528.0016, 0.3175,
0.3280

 67.9732, 0.3223,
0.3269


147.3259, 0.3201,
0.3274

 49.8759, 0.3233,
0.3267


183.4118, 0.3196,
0.3275

 35.3148, 0.3246,
0.3264


224.9557, 0.3191,
0.3276

 23.9055, 0.3262,
0.3260

272.3423, 0.3187,
0.3277

 15.2635, 0.3284,
0.3255

325.9557, 0.3184,
0.3278

 9.0045, 0.3315,
0.3248

386.1805, 0.3181,

 4.7441, 0.3359,

0.3278

0.3237

453.4010, 0.3178,
0.3279

■ 2.0979, 0.3433,
0.3220

■ 0.6635, 0.3648,
0.3177

■ 89.9910, 0.3214,
0.3271

■ 89.9910, 0.3214,
0.3271

■ 74.7705, 0.3390,
0.3237

99.9984, 0.3127,
0.3290

■ 61.7234, 0.3609,
0.3201

■ 50.7539, 0.3880,
0.3165

■ 41.7545, 0.4209,
0.3132

■ 34.6083, 0.4597,
0.3107

■ 29.1857, 0.5030,
0.3096

■ 25.3405, 0.5475,
0.3107

■ 22.9020, 0.5876,
0.3143

■ 21.6598, 0.6173,
0.3200

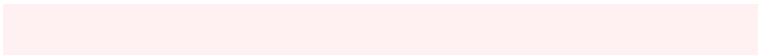
Harmonies

Analogous

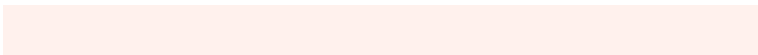
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9910, 0.3161, 0.3223



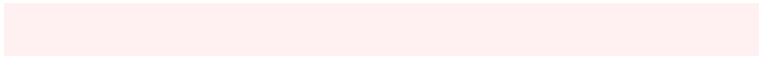
89.9910, 0.3214, 0.3271



89.9910, 0.3244, 0.3325

Triad

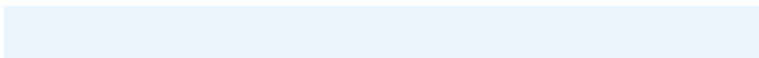
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9910, 0.3214, 0.3271



89.9910, 0.3155, 0.3391



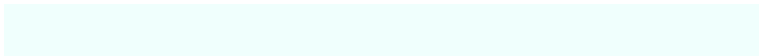
89.9910, 0.3013, 0.3209

Complementary

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



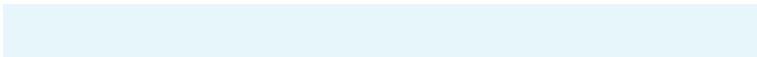
89.9910, 0.3214, 0.3271



97.1343, 0.3047, 0.3309

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.



89.9910, 0.3012, 0.3254



89.9910, 0.3214, 0.3271



89.9910, 0.3093, 0.3359

Square

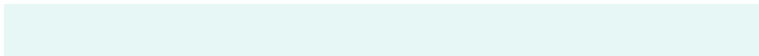
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9910, 0.3214, 0.3271



89.9910, 0.3210, 0.3395



89.9910, 0.3041, 0.3309



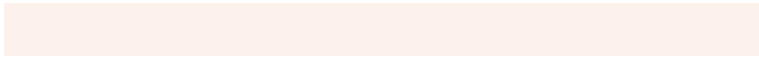
89.9910, 0.3045, 0.3187

Rectangle

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



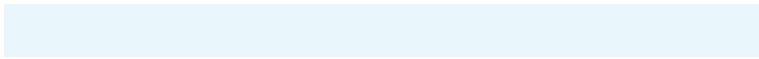
89.9910, 0.3214, 0.3271



89.9910, 0.3247, 0.3357



89.9910, 0.3041, 0.3309



89.9910, 0.3009, 0.3222

Sweetspot

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



89.9949, 0.3214, 0.3271



96.5072, 0.3155, 0.3284



90.4274, 0.3121, 0.3146



20.6931, 0.3154, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

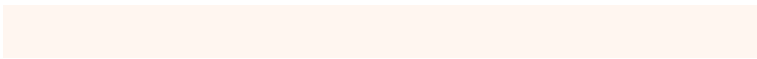
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9949, 0.3214, 0.3271



88.1773, 0.3232, 0.3267



93.1602, 0.3222, 0.3344



18.6666, 0.3242, 0.3265



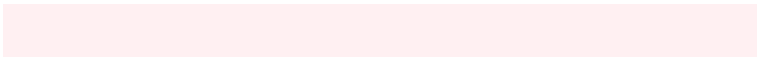
11.1801, 0.6234, 0.3208



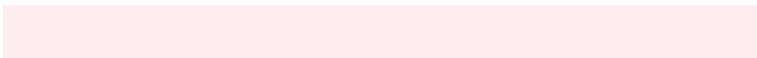
1.1001, 0.5981, 0.3068

Inverse Universe

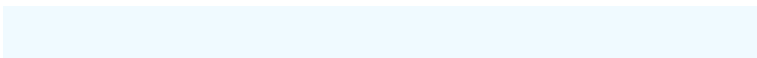
The Inverse Universe completely reimagines the original color for something new.



89.9949, 0.3214, 0.3271



88.1773, 0.3232, 0.3267



93.8065, 0.3036, 0.3236



18.6666, 0.3242, 0.3265



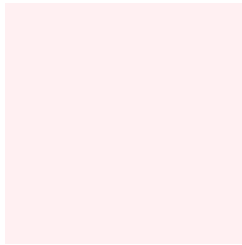
11.1801, 0.6234, 0.3208



1.1001, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 89.9910, 0.3214, 0.3271 looks on a white background.

Color Contrast Check

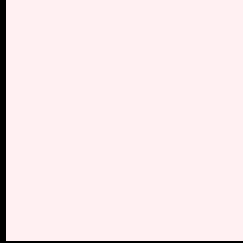
Large Text (above 18pt) WCAG AA × Fail

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 89.9910, 0.3214, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

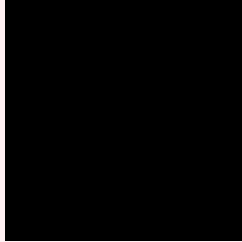
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

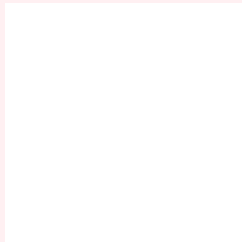
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9910, 0.3214, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 89.9910, 0.3214, 0.3271.

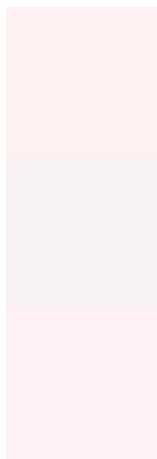


This preview shows how white text looks on a background with the Yxy color 89.9910, 0.3214, 0.3271.

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

89.9910, 0.3214, 0.3271

Protanopia

89.9318, 0.3160, 0.3280

Deuteranopia

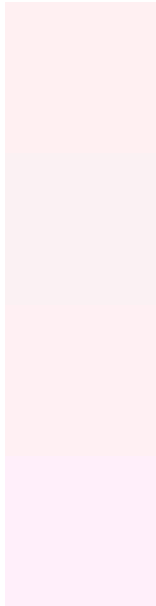
90.0512, 0.3208, 0.3261



Tritanopia

90.1488, 0.3140, 0.3146

Trichromacy



Original Color

89.9910, 0.3214, 0.3271

Protanomaly

89.8909, 0.3181, 0.3271

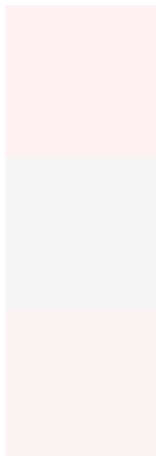
Deuteranomaly

90.0512, 0.3208, 0.3261

Tritanomaly

89.8951, 0.3165, 0.3184

Monochromacy



Original Color

89.9910, 0.3214, 0.3271

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

90.7726, 0.3160, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9910, 0.3214, 0.3271 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(255, 240, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 242)  
}
```

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(255, 240, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 242) }
```

Border

The CSS property to change the border of an element to Yxy 89.9910, 0.3214, 0.3271 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(255, 240, 242) }
```

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

```
.border{ border-color:rgb(255, 240, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 242); box-shadow:4px 4px 4px 4px rgb(255, 240, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9910, 0.3214, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 242) }
```

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

```
.background{ background-color: rgb(255,  
240, 242) }
```

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