

Converting Colors

$Yxy(89.9211, 0.3233, 0.3309)$

Have a look what the booklet for
Yxy(89.9211, 0.3233, 0.3309)
contains.

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Color

Yxy(89.7532, 0.3239, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0EE
RGB	255, 240, 238
RGB Percent	100%, 94%, 93%
CMY	0.0000, 0.0588, 0.0667
CMYK	0.00, 0.06, 0.07, 0.00
HSL	7°, 100%, 97%
HSV	7°, 7%, 100%
XYZ	87.8280, 89.7532, 93.5765
YIQ	244.2570, 9.5820, 2.5580

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 240, 238
Decimal	16773358
CIE Lab	95.89, 4.70, 2.77
CIE LCh	96, 5.459, 30.495
Yxy	89.7532, 0.3239, 0.3310
Android (android.graphics.Color)	4294963438 (0xFFFFF0EE)
YUV	244.2570, -3.0847, 9.4216
Hunter-Lab	94.7382, -0.3115, 7.7537

Details

The Yxy color **89.7532, 0.3239, 0.3310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.6260, 0.3024, 0.3270**, and the grayscale version is **90.7038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6641, 0.3262, 0.3315** is the 20% darker color. If you saturate the color by 10%, you get **75.9416, 0.3439, 0.3342**, and if you desaturate by 10%, it is **99.9978, 0.3127, 0.3290**.

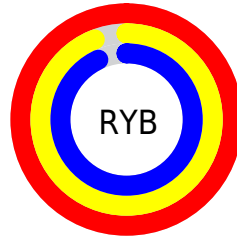
Distribution



Red (100%)

Green (94%)

Blue (93%)



Red (100%)

Yellow (94%)

Blue (93%)



Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7532, 0.3239, 0.3310 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 89.7532, 0.3239, 0.3310 by changing the saturation by 10% instead.


 89.7532, 0.3239,
0.3310

 89.7532, 0.3239,
0.3310


527.2277, 0.3189,
0.3301

 67.7760, 0.3250,
0.3312

146.9955, 0.3222,
0.3307

 49.7155, 0.3263,
0.3314


183.0294, 0.3215,
0.3306

 35.1874, 0.3280,
0.3317


224.5176, 0.3209,
0.3305

 23.8073, 0.3302,
0.3320

271.8446, 0.3204,
0.3304

 15.1907, 0.3330,
0.3325

325.3947, 0.3200,
0.3303

 8.9533, 0.3370,
0.3331

385.5523, 0.3196,

 4.7108, 0.3428,

0.3303

0.3339

452.7018, 0.3192,
0.3302

■ 2.0786, 0.3524,
0.3351

■ 0.6525, 0.3860,
0.3426

■ 89.7532, 0.3239,
0.3310

■ 89.7532, 0.3239,
0.3310

■ 75.9416, 0.3439,
0.3342

99.9978, 0.3127,
0.3290

■ 63.9080, 0.3684,
0.3376

■ 53.5835, 0.3982,
0.3410

■ 44.8905, 0.4339,
0.3441

■ 37.7452, 0.4750,
0.3464

■ 32.0564, 0.5197,
0.3475

■ 27.7233, 0.5638,
0.3465

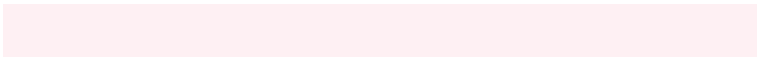
■ 24.6318, 0.6012,
0.3432

■ 22.6490, 0.6262,
0.3379

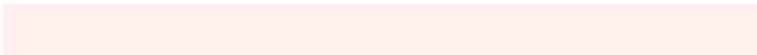
Harmonies

Analogous

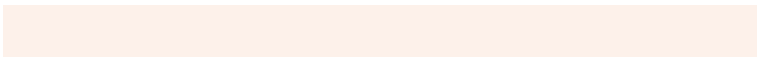
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7532, 0.3201, 0.3256



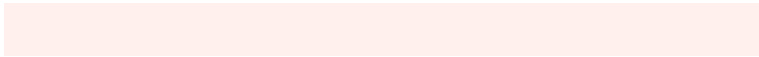
89.7532, 0.3239, 0.3310



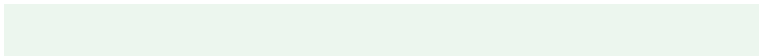
89.7532, 0.3247, 0.3359

Triad

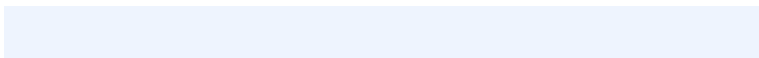
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7532, 0.3239, 0.3310



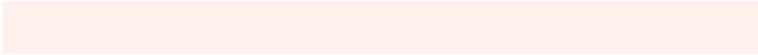
89.7532, 0.3110, 0.3371



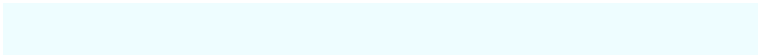
89.7532, 0.3033, 0.3190

Complementary

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



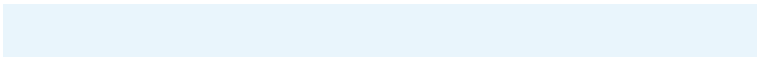
89.7532, 0.3239, 0.3310



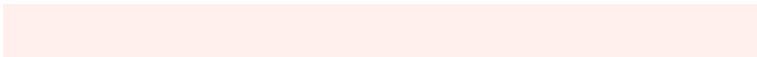
95.6260, 0.3024, 0.3270

Split Complementary

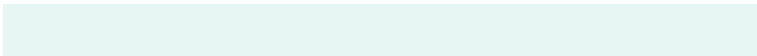
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7532, 0.3009, 0.3220



89.7532, 0.3239, 0.3310



89.7532, 0.3054, 0.3324

Square

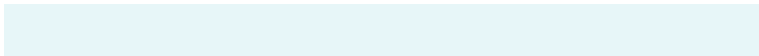
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7532, 0.3239, 0.3310



89.7532, 0.3172, 0.3395



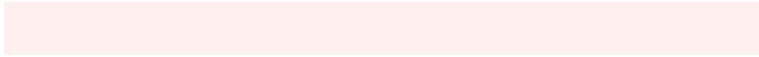
89.7532, 0.3017, 0.3269



89.7532, 0.3082, 0.3187

Rectangle

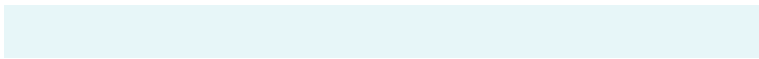
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



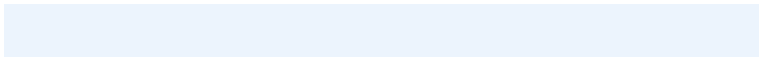
89.7532, 0.3239, 0.3310



89.7532, 0.3233, 0.3383



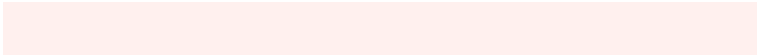
89.7532, 0.3017, 0.3269



89.7532, 0.3022, 0.3197

Sweetspot

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



89.7571, 0.3239, 0.3310



96.8419, 0.3159, 0.3296



89.4944, 0.3147, 0.3145



20.7613, 0.3157, 0.3296



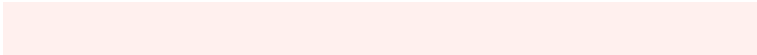
0.0000, 0.0000, 0.0000



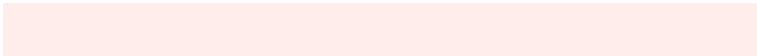
21.4041, 0.3127, 0.3290

Same Dimension

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



89.7571, 0.3239, 0.3310



87.8171, 0.3263, 0.3314



94.8564, 0.3232, 0.3392



18.3345, 0.3292, 0.3319



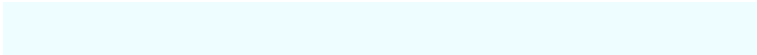
11.7106, 0.6302, 0.3378



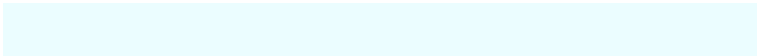
1.2460, 0.6138, 0.3508

Inverse Universe

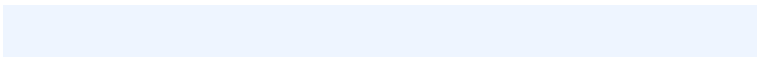
The Inverse Universe completely reimagines the original color for something new.



95.6260, 0.3024, 0.3270



94.7975, 0.3003, 0.3266



90.4020, 0.3024, 0.3186



20.0912, 0.2980, 0.3261



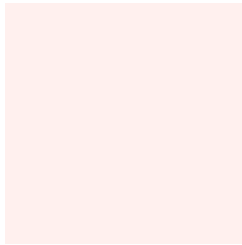
31.9735, 0.2142, 0.2910



3.2128, 0.2155, 0.2957

Previews

White Background



This preview shows how the Yxy color 89.7532, 0.3239, 0.3310 looks on a white background.

Color Contrast Check

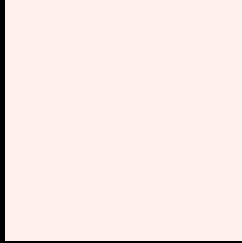
Large Text (above 18pt) WCAG AA × Fail

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 89.7532, 0.3239, 0.3310 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

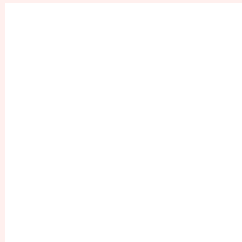
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7532, 0.3239, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 89.7532, 0.3239, 0.3310.

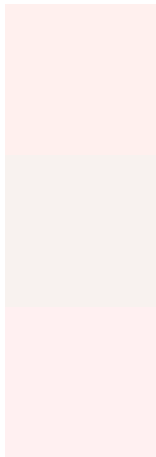


This preview shows how white text looks on a background with the Yxy color 89.7532, 0.3239, 0.3310.

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

89.7532, 0.3239, 0.3310

Protanopia

89.6927, 0.3185, 0.3320

Deuteranopia

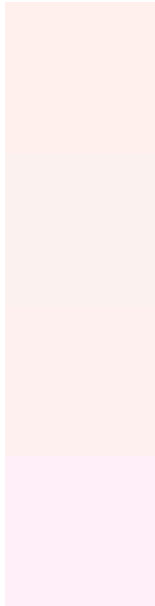
89.9311, 0.3220, 0.3281



Tritanopia

89.5648, 0.3141, 0.3136

Trichromacy



Original Color

89.7532, 0.3239, 0.3310

Protanomaly

89.6518, 0.3205, 0.3310

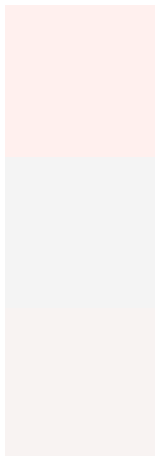
Deuteranomaly

89.8714, 0.3226, 0.3290

Tritanomaly

89.7703, 0.3177, 0.3203

Monochromacy



Original Color

89.7532, 0.3239, 0.3310

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.4684, 0.3166, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7532, 0.3239, 0.3310 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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(255, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 238) }
```

Border

The CSS property to change the border of an element to Yxy 89.7532, 0.3239, 0.3310 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, 238) }
```

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

```
.border{ border-color:rgb(255, 240, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 238); box-shadow:4px 4px 4px 4px rgb(255, 240, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7532, 0.3239, 0.3310 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, 238) }
```

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

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