

Converting Colors

$Y_{xy}(89.6054, 0.3310, 0.3430)$

Have a look what the booklet for
Yxy(89.6054, 0.3310, 0.3430)
contains.

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Color

Yxy(89.7166, 0.3308, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1E3
RGB	255, 241, 227
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0550, 0.1098
CMYK	0.00, 0.05, 0.11, 0.00
HSL	30°, 100%, 95%
HSV	30°, 11%, 100%
XYZ	86.5760, 89.7166, 85.4244
YIQ	243.5900, 12.8380, -1.3860

Conversions

Conversions Part 2

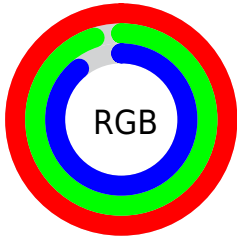
Format	Color
R_{YB}	255, 255, 227
Decimal	16773603
CIE _{Lab}	95.88, 2.44, 8.43
CIE _{LCh}	96, 8.781, 73.840
Yxy	89.7166, 0.3308, 0.3428
Android (android.graphics.Color)	4294963683 (0xFFFF1E3)
YUV	243.5900, -8.1789, 10.0066
Hunter-Lab	94.7188, -2.6034, 12.8311

Details

The Yxy color **89.7166, 0.3308, 0.3428** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4674, 0.2956, 0.3148**, and the grayscale version is **90.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6822, 0.3343, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **81.1125, 0.3497, 0.3561**, and if you desaturate by 10%, it is **99.0437, 0.3142, 0.3302**.

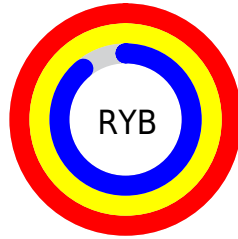
Distribution



Red (100%)

Green (95%)

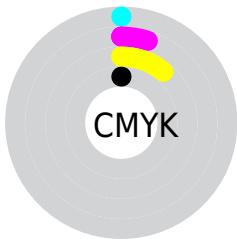
Blue (89%)



Red (100%)

Yellow (100%)

Blue (89%)

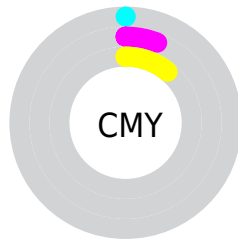


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7166, 0.3308, 0.3428 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 89.7166, 0.3308, 0.3428 by changing the saturation by 10% instead.


 89.7166, 0.3308,
0.3428

 89.7166, 0.3308,
0.3428

527.1085, 0.3227,
0.3367

 67.7456, 0.3326,
0.3441

146.9447, 0.3280,
0.3407

 49.6908, 0.3348,
0.3458


182.9706, 0.3270,
0.3399

 35.1678, 0.3375,
0.3478


224.4502, 0.3260,
0.3392

 23.7922, 0.3409,
0.3503

271.7680, 0.3252,
0.3386

 15.1795, 0.3455,
0.3537

325.3083, 0.3245,
0.3380

 8.9455, 0.3518,
0.3583

385.4556, 0.3238,

 4.7056, 0.3612,

0.3375

0.3650

452.5942, 0.3232,
0.3371

■ 2.0756, 0.3763,
0.3756

■ 0.6509, 0.4684,
0.4494

■ 89.7166, 0.3308,
0.3428

■ 89.7166, 0.3308,
0.3428

■ 81.1125, 0.3497,
0.3561

■ 99.0437, 0.3142,
0.3302

■ 73.2335, 0.3711,
0.3697

■ 100.0000, 0.3127,
0.3290

■ 66.0514, 0.3950,
0.3832

■ 59.5442, 0.4210,
0.3958

■ 53.6881, 0.4486,
0.4063

■ 48.4578, 0.4764,
0.4136

■ 43.8254, 0.5029,
0.4162

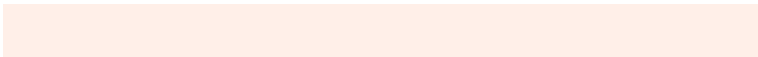
■ 39.7594, 0.5262,
0.4133

■ 36.5412, 0.5437,
0.4065

Harmonies

Analogous

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



89.7166, 0.3320, 0.3359



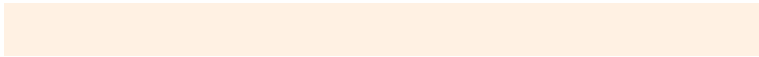
89.7166, 0.3308, 0.3428



89.7166, 0.3247, 0.3462

Triad

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



89.7166, 0.3308, 0.3428



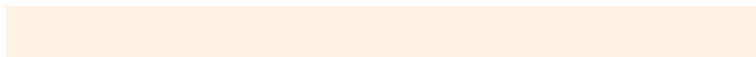
89.7166, 0.2978, 0.3305



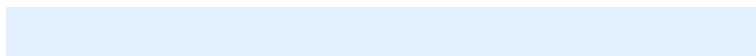
89.7166, 0.3097, 0.3138

Complementary

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



89.7166, 0.3308, 0.3428



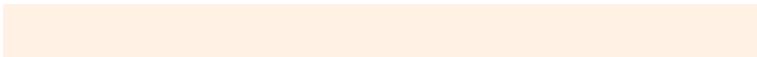
86.4674, 0.2956, 0.3148

Split Complementary

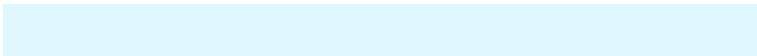
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7166, 0.3007, 0.3122



89.7166, 0.3308, 0.3428



89.7166, 0.2939, 0.3217

Square

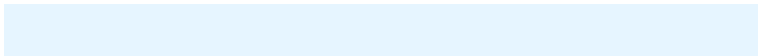
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7166, 0.3308, 0.3428



89.7166, 0.3056, 0.3390



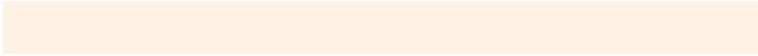
89.7166, 0.2949, 0.3151



89.7166, 0.3197, 0.3193

Rectangle

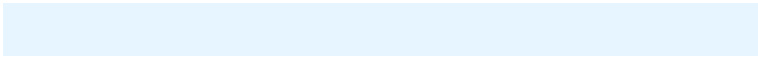
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7166, 0.3308, 0.3428



89.7166, 0.3188, 0.3458



89.7166, 0.2949, 0.3151



89.7166, 0.3065, 0.3128

Sweetspot

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



89.7092, 0.3308, 0.3428



97.0988, 0.3174, 0.3327



82.5759, 0.3228, 0.3148



20.6196, 0.3187, 0.3337



0.0000, 0.0000, 0.0000



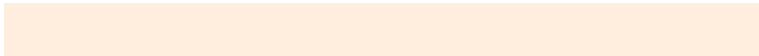
21.4041, 0.3127, 0.3290

Same Dimension

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



89.7092, 0.3308, 0.3428



87.9148, 0.3344, 0.3454



98.0285, 0.3292, 0.3557



19.4865, 0.3282, 0.3409



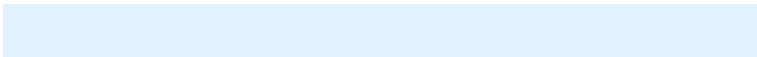
19.3921, 0.5412, 0.4085



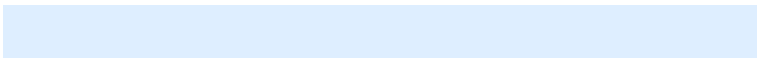
2.1065, 0.5236, 0.4225

Inverse Universe

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



86.4674, 0.2956, 0.3148



84.1307, 0.2923, 0.3120



78.7434, 0.2954, 0.3008



18.8797, 0.2979, 0.3168



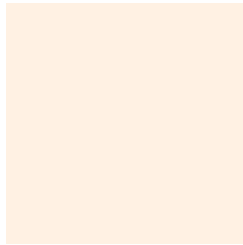
12.0843, 0.1771, 0.1575



1.3950, 0.1828, 0.1781

Previews

White Background



This preview shows how the Yxy color 89.7166, 0.3308, 0.3428 looks on a white background.

Color Contrast Check

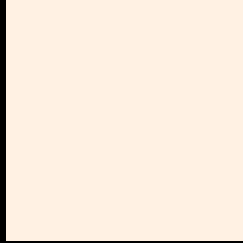
Large Text (above 18pt) WCAG AA × Fail

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 89.7166, 0.3308, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

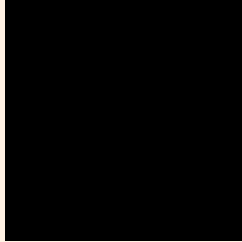
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.7166, 0.3308, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 89.7166, 0.3308, 0.3428.

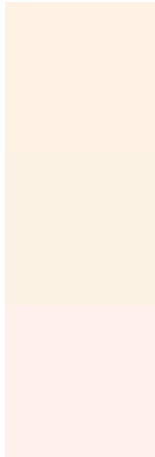


This preview shows how white text looks on a background with the Yxy color 89.7166, 0.3308, 0.3428.

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

89.7166, 0.3308, 0.3428

Protanopia

89.6149, 0.3273, 0.3429

Deuteranopia

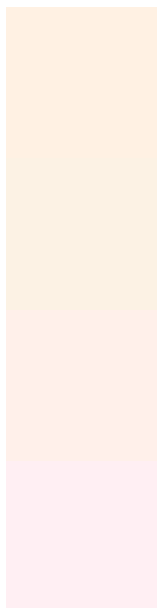
89.7532, 0.3239, 0.3310



Tritanopia

89.4373, 0.3153, 0.3155

Trichromacy



Original Color

89.7166, 0.3308, 0.3428

Protanomaly

89.8011, 0.3280, 0.3429

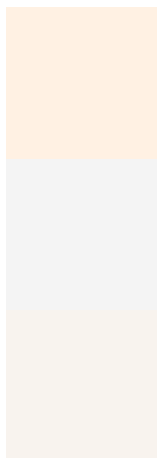
Deuteranomaly

89.5207, 0.3264, 0.3349

Tritanomaly

89.4641, 0.3208, 0.3251

Monochromacy



Original Color

89.7166, 0.3308, 0.3428

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2307, 0.3190, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7166, 0.3308, 0.3428 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, 241, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 227)  
}
```

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, 241, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 227) }
```

Border

The CSS property to change the border of an element to Yxy 89.7166, 0.3308, 0.3428 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, 241, 227) }
```

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

```
.border{ border-color:rgb(255, 241, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7166, 0.3308, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 227) }
```

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

```
.background{ background-color: rgb(255,  
241, 227) }
```

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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