

Converting Colors

$Y_{xy}(100.0000, 0.3518, 0.3195)$

Have a look what the booklet for
Yxy(100.0000, 0.3518, 0.3195)
contains.

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Color

Yxy(89.2486, 0.3172, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEF9
RGB	255, 238, 249
RGB Percent	100%, 93%, 98%
CMY	0.0000, 0.0666, 0.0236
CMYK	0.00, 0.07, 0.02, 0.00
HSL	321°, 100%, 97%
HSV	321°, 7%, 100%
XYZ	88.9122, 89.2486, 102.1426
YIQ	244.3370, 6.6010, 7.0250

Conversions

Conversions Part 2

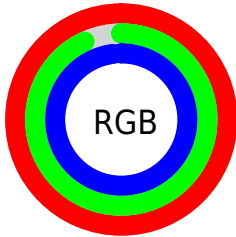
Format	Color
R _Y B	255, 238, 249
Decimal	16772857
CIE Lab	95.68, 7.60, -3.23
CIE LCh	96, 8.261, 337.015
Yxy	89.2486, 0.3172, 0.3184
Android (android.graphics.Color)	4294962937 (0xFFFFEEF9)
YUV	244.3370, 2.2989, 9.3515
Hunter-Lab	94.4715, 2.6710, 2.0257

Details

The Yxy color 89.2486, 0.3172, 0.3184 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.2317, 0.3085, 0.3398, and the grayscale version is 90.7281, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.3119, 0.3176, 0.3155 is the 20% darker color. If you saturate the color by 10%, you get 74.8881, 0.3250, 0.3018, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

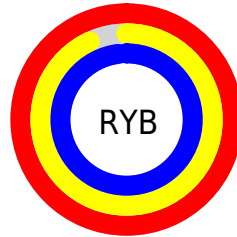
Distribution



Red (100%)

Green (93%)

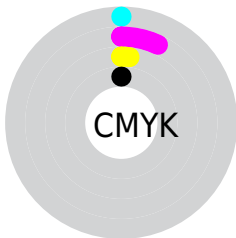
Blue (98%)



Red (100%)

Yellow (93%)

Blue (98%)

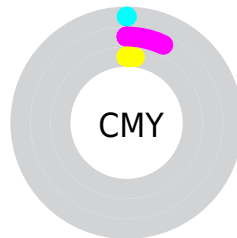


Cyan (0%)

Magenta (7%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2486, 0.3172, 0.3184 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 89.2486, 0.3172, 0.3184 by changing the saturation by 10% instead.


 89.2486, 0.3172,
0.3184

 89.2486, 0.3172,
0.3184


525.5835, 0.3152,
0.3231

 67.3576, 0.3176,
0.3174


146.2942, 0.3165,
0.3200

 49.3753, 0.3182,
0.3161


182.2176, 0.3163,
0.3206

 34.9173, 0.3188,
0.3146


223.5873, 0.3160,
0.3212

 23.5992, 0.3196,
0.3126

270.7877, 0.3158,
0.3216

 15.0365, 0.3207,
0.3100

324.2031, 0.3157,
0.3221

 8.8450, 0.3222,
0.3065

384.2179, 0.3155,

 4.6402, 0.3243,

0.3225

0.3013

451.2166, 0.3154,
0.3228

■ 2.0378, 0.3278,
0.2931

■ 0.6293, 0.3373,
0.2708

■ 89.2486, 0.3172,
0.3184

■ 89.2486, 0.3172,
0.3184

■ 74.8881, 0.3250,
0.3018

100.0000, 0.3127,
0.3290

■ 62.5672, 0.3342,
0.2848

■ 52.1935, 0.3449,
0.2677

■ 43.6652, 0.3571,
0.2514

■ 36.8707, 0.3709,
0.2368

■ 31.6866, 0.3859,
0.2252

■ 27.9729, 0.4017,
0.2175

■ 25.5655, 0.4177,
0.2148

■ 24.2580, 0.4333,
0.2173

Harmonies

Analogous

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



89.2486, 0.3078, 0.3140



89.2486, 0.3172, 0.3184



89.2486, 0.3255, 0.3256

Triad

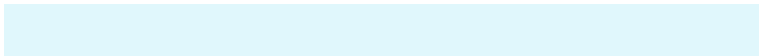
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2486, 0.3172, 0.3184



89.2486, 0.3257, 0.3448



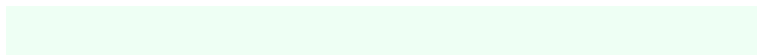
89.2486, 0.2954, 0.3239

Complementary

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



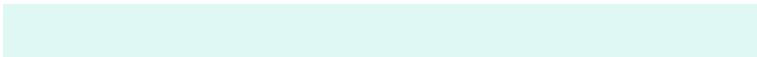
89.2486, 0.3172, 0.3184



96.2317, 0.3085, 0.3398

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.



89.2486, 0.3000, 0.3324



89.2486, 0.3172, 0.3184



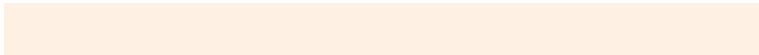
89.2486, 0.3175, 0.3446

Square

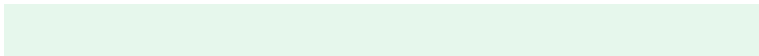
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



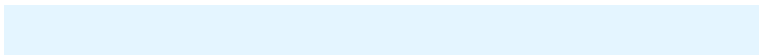
89.2486, 0.3172, 0.3184



89.2486, 0.3304, 0.3408



89.2486, 0.3081, 0.3400



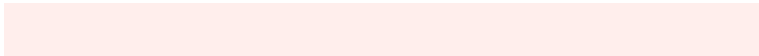
89.2486, 0.2953, 0.3170

Rectangle

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



89.2486, 0.3172, 0.3184



89.2486, 0.3293, 0.3310



89.2486, 0.3081, 0.3400



89.2486, 0.2965, 0.3267

Sweetspot

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



89.2508, 0.3172, 0.3184



96.6732, 0.3140, 0.3259



87.5976, 0.3063, 0.3123



20.7269, 0.3139, 0.3260



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.



89.2508, 0.3172, 0.3184



87.2109, 0.3182, 0.3162



88.7371, 0.3225, 0.3265



18.1846, 0.3193, 0.3138



12.5504, 0.4360, 0.2175



1.2428, 0.4194, 0.2084

Inverse Universe

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



89.2508, 0.3172, 0.3184



87.2109, 0.3182, 0.3162



96.7551, 0.3038, 0.3315



18.1846, 0.3193, 0.3138



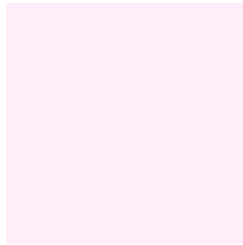
12.5504, 0.4360, 0.2175



1.2428, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 89.2486, 0.3172, 0.3184 looks on a white background.

Color Contrast Check

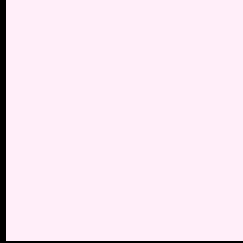
Large Text (above 18pt) WCAG AA × Fail

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 89.2486, 0.3172, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

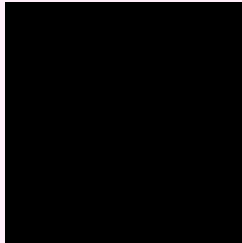
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.2486, 0.3172, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 89.2486, 0.3172, 0.3184.

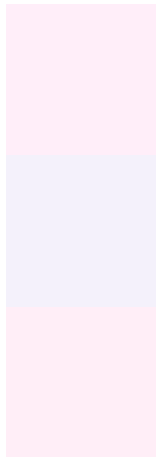


This preview shows how white text looks on a background with the Yxy color 89.2486, 0.3172, 0.3184.

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

89.2486, 0.3172, 0.3184

Protanopia

89.1087, 0.3086, 0.3191

Deuteranopia

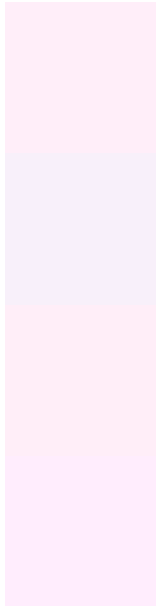
89.1245, 0.3184, 0.3203



Tritanopia

89.0484, 0.3135, 0.3117

Trichromacy



Original Color

89.2486, 0.3172, 0.3184

Protanomaly

89.1788, 0.3119, 0.3192

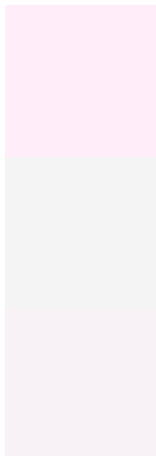
Deuteranomaly

89.1864, 0.3178, 0.3193

Tritanomaly

88.9202, 0.3148, 0.3136

Monochromacy



Original Color

89.2486, 0.3172, 0.3184

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.1145, 0.3142, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2486, 0.3172, 0.3184 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, 238, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 249)  
}
```

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, 238, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 249) }
```

Border

The CSS property to change the border of an element to Yxy 89.2486, 0.3172, 0.3184 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, 238, 249) }
```

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

```
.border{ border-color:rgb(255, 238, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2486, 0.3172, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 249) }
```

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

```
.background{ background-color: rgb(255,  
238, 249) }
```

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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