

Converting Colors

$Y_{xy}(92.2205, 0.3315, 0.3233)$

Have a look what the booklet for
Yxy(92.2205, 0.3315, 0.3233)
contains.

Yxy(88.9407, 0.3203, 0.3232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.9407, 0.3203, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEF4
RGB	255, 238, 244
RGB Percent	100%, 93%, 96%
CMY	0.0000, 0.0666, 0.0432
CMYK	0.00, 0.07, 0.04, 0.00
HSL	339°, 100%, 97%
HSV	339°, 7%, 100%
XYZ	88.1427, 88.9407, 98.1045
YIQ	243.7670, 8.2060, 5.4700

Conversions

Conversions Part 2

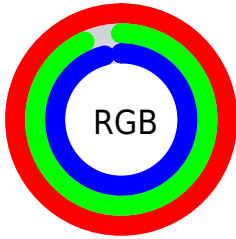
Format	Color
R_{YB}	255, 238, 244
Decimal	16772852
CIE _{Lab}	95.56, 6.74, -0.83
CIE _{LCh}	96, 6.795, 352.962
Yxy	88.9407, 0.3203, 0.3232
Android (android.graphics.Color)	4294962932 (0xFFFFEEF4)
YUV	243.7670, 0.1149, 9.8513
Hunter-Lab	94.3084, 1.7903, 4.3393

Details

The Yxy color **88.9407, 0.3203, 0.3232** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.5386, 0.3057, 0.3349**, and the grayscale version is **90.2673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0925, 0.3216, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **74.1735, 0.3338, 0.3140**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

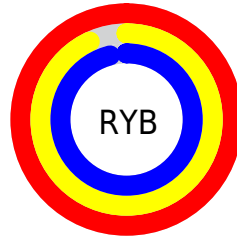
Distribution



Red (100%)

Green (93%)

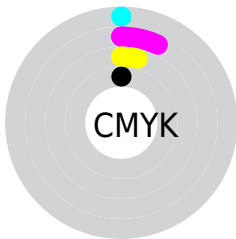
Blue (96%)



Red (100%)

Yellow (93%)

Blue (96%)

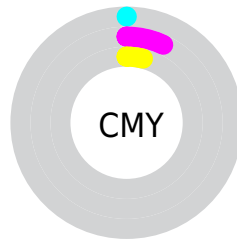


Cyan (0%)

Magenta (7%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9407, 0.3203, 0.3232 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 88.9407, 0.3203, 0.3232 by changing the saturation by 10% instead.


 88.9407, 0.3203,
0.3232

 88.9407, 0.3203,
0.3232

524.5789, 0.3169,
0.3258

 67.1024, 0.3210,
0.3226


145.8661, 0.3192,
0.3241

 49.1679, 0.3220,
0.3219

181.7220, 0.3187,
0.3244

 34.7526, 0.3231,
0.3211


223.0192, 0.3183,
0.3247

 23.4724, 0.3245,
0.3200

270.1421, 0.3180,
0.3250

 14.9427, 0.3264,
0.3185

323.4752, 0.3177,
0.3252

 8.7792, 0.3291,
0.3165

383.4027, 0.3174,

 4.5974, 0.3330,

0.3254

0.3136

450.3092, 0.3171,
0.3256

■ 2.0131, 0.3393,
0.3088

■ 0.6150, 0.3581,
0.2940

■ 88.9407, 0.3203,
0.3232

■ 88.9407, 0.3203,
0.3232

■ 74.1735, 0.3338,
0.3140

100.0000, 0.3127,
0.3290

■ 61.5051, 0.3503,
0.3045

■ 50.8427, 0.3703,
0.2948

■ 42.0822, 0.3942,
0.2857

■ 35.1098, 0.4222,
0.2779

■ 29.7997, 0.4538,
0.2727

■ 26.0093, 0.4876,
0.2713

■ 23.5717, 0.5214,
0.2748

■ 22.2776, 0.5522,
0.2834

Harmonies

Analogous

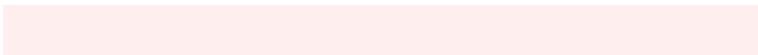
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9407, 0.3128, 0.3182



88.9407, 0.3203, 0.3232



88.9407, 0.3258, 0.3298

Triad

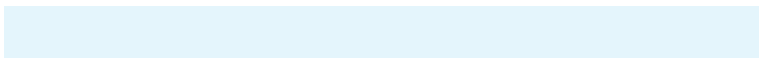
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9407, 0.3203, 0.3232



88.9407, 0.3201, 0.3424



88.9407, 0.2979, 0.3215

Complementary

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



88.9407, 0.3203, 0.3232



96.5386, 0.3057, 0.3349

Split Complementary

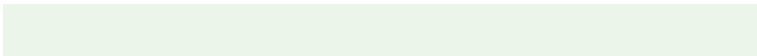
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9407, 0.2998, 0.3280



88.9407, 0.3203, 0.3232



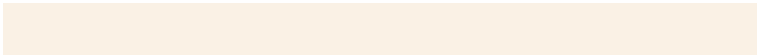
88.9407, 0.3125, 0.3402

Square

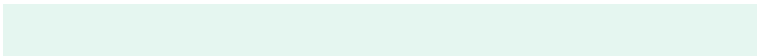
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



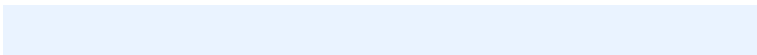
88.9407, 0.3203, 0.3232



88.9407, 0.3257, 0.3409



88.9407, 0.3051, 0.3349



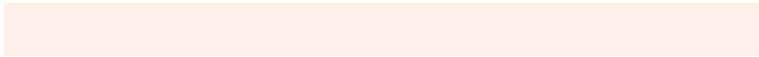
88.9407, 0.2999, 0.3172

Rectangle

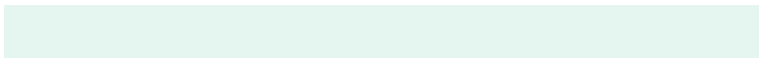
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



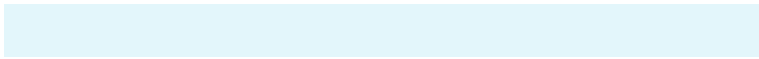
88.9407, 0.3203, 0.3232



88.9407, 0.3276, 0.3342



88.9407, 0.3051, 0.3349



88.9407, 0.2981, 0.3236

Sweetspot

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



88.9445, 0.3203, 0.3232



96.5782, 0.3149, 0.3273



88.4704, 0.3094, 0.3125



20.7075, 0.3148, 0.3274



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

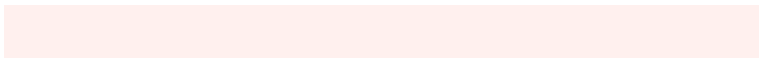
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9445, 0.3203, 0.3232



86.8460, 0.3219, 0.3220



89.9143, 0.3239, 0.3312



18.0928, 0.3239, 0.3207



11.5188, 0.5574, 0.2844



1.1414, 0.5259, 0.2671

Inverse Universe

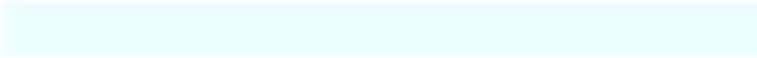
The Inverse Universe completely reimagines the original color for something new.



88.9445, 0.3203, 0.3232



86.8460, 0.3219, 0.3220



95.4812, 0.3024, 0.3267



18.0928, 0.3239, 0.3207



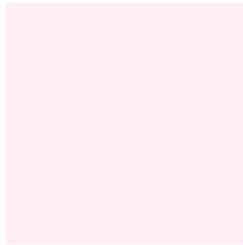
11.5188, 0.5574, 0.2844



1.1414, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 88.9407, 0.3203, 0.3232 looks on a white background.

Color Contrast Check

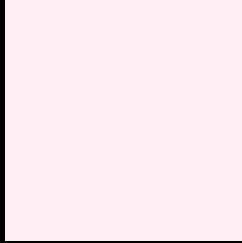
Large Text (above 18pt) WCAG AA × Fail

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 88.9407, 0.3203, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

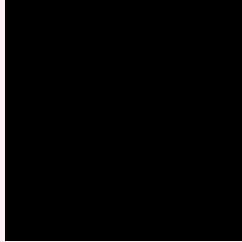
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

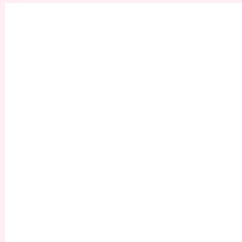
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.9407, 0.3203, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 88.9407, 0.3203, 0.3232.

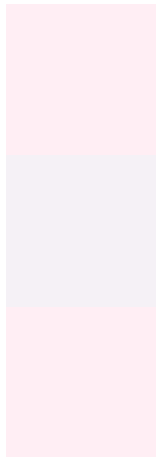


This preview shows how white text looks on a background with the Yxy color 88.9407, 0.3203, 0.3232.

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

88.9407, 0.3203, 0.3232

Protanopia

88.9769, 0.3123, 0.3241

Deuteranopia

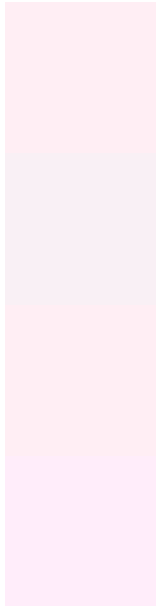
88.9407, 0.3203, 0.3232



Tritanopia

88.9202, 0.3148, 0.3136

Trichromacy



Original Color

88.9407, 0.3203, 0.3232

Protanomaly

89.0525, 0.3156, 0.3241

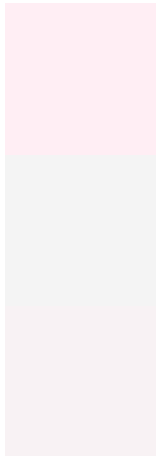
Deuteranomaly

88.9407, 0.3203, 0.3232

Tritanomaly

88.7305, 0.3166, 0.3164

Monochromacy



Original Color

88.9407, 0.3203, 0.3232

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

89.9924, 0.3154, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9407, 0.3203, 0.3232 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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(255, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 244) }
```

Border

The CSS property to change the border of an element to Yxy 88.9407, 0.3203, 0.3232 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, 244) }
```

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

```
.border{ border-color:rgb(255, 238, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9407, 0.3203, 0.3232 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, 244) }
```

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

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