

Converting Colors

$Yxy(84.9277, 0.3189, 0.3392)$

Have a look what the booklet for
Yxy(84.9277, 0.3189, 0.3392)
contains.

Yxy(84.9277, 0.3189, 0.3392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.9277, 0.3189, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEEE4
RGB	238, 238, 228
RGB Percent	93%, 93%, 89%
CMY	0.0666, 0.0667, 0.1058
CMYK	0.00, 0.00, 0.04, 0.07
HSL	60°, 23%, 91%
HSV	60°, 4%, 93%
XYZ	79.8451, 84.9277, 85.6037
YIQ	236.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

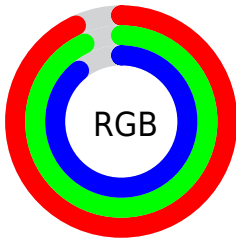
Format	Color
R_{YB}	228, 238, 228
Decimal	15658724
CIE _{Lab}	93.85, -1.72, 4.81
CIE _{LCh}	94, 5.108, 109.669
Yxy	84.9277, 0.3189, 0.3392
Android (android.graphics.Color)	4293848804 (0xFFEEEE4)
YUV	236.8600, -4.3680, 0.9998
Hunter-Lab	92.1562, -6.6192, 9.4350

Details

The Yxy color **84.9277, 0.3189, 0.3392** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.1863, 0.3064, 0.3186**, and the grayscale version is **84.6124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4181, 0.3199, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **83.6734, 0.3340, 0.3641**, and if you desaturate by 10%, it is **86.3714, 0.3044, 0.3152**.

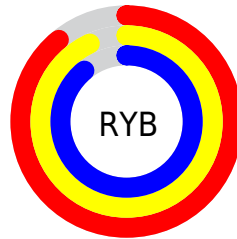
Distribution



Red (93%)

Green (93%)

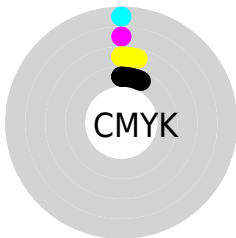
Blue (89%)



Red (89%)

Yellow (93%)

Blue (89%)

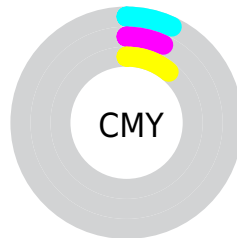


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9277, 0.3189, 0.3392 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 84.9277, 0.3189, 0.3392 by changing the saturation by 10% instead.

84.9277, 0.3189,
0.3392

84.9277, 0.3189,
0.3392

511.3888, 0.3161,
0.3346

63.7816, 0.3195,
0.3402

140.2722, 0.3180,
0.3376

46.4738, 0.3203,
0.3415

175.2393, 0.3176,
0.3370

32.6199, 0.3212,
0.3431

215.5824, 0.3173,
0.3365

21.8354, 0.3224,
0.3451

261.6856, 0.3170,
0.3360

13.7360, 0.3240,
0.3478

313.9335, 0.3167,
0.3356

7.9373, 0.3263,
0.3516

372.7104, 0.3165,

4.0549, 0.3296,

0.3352

0.3574

438.4007, 0.3163,
0.3349

■ 1.7043, 0.3351,
0.3671

■ 0.4264, 0.3959,
0.4646

■ 84.9277, 0.3189,
0.3392

■ 84.9277, 0.3189,
0.3392

■ 83.6734, 0.3340,
0.3641

■ 86.3714, 0.3044,
0.3152

■ 82.5900, 0.3493,
0.3893


■ 86.5993, 0.3025,
0.3122

■ 81.6733, 0.3643,
0.4141


■ 86.6248, 0.3025,
0.3122


■ 80.9149, 0.3785,
0.4374

■ 86.6503, 0.3025,
0.3123

 80.3054, 0.3912,
0.4584


 86.6759, 0.3025,
0.3123


 79.8348, 0.4019,
0.4759


 86.7014, 0.3025,
0.3123


 79.4914, 0.4101,
0.4895

 86.7269, 0.3025,
0.3124

 79.2619, 0.4157,
0.4986

 86.7525, 0.3025,
0.3124

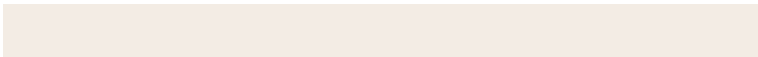
 79.1302, 0.4187,
0.5035

 86.7781, 0.3025,
0.3125

Harmonies

Analogous

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



84.9277, 0.3229, 0.3378



84.9277, 0.3189, 0.3392



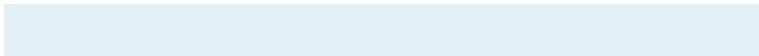
84.9277, 0.3132, 0.3378

Triad

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



84.9277, 0.3189, 0.3392



84.9277, 0.3014, 0.3238



84.9277, 0.3179, 0.3241

Complementary

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



84.9277, 0.3189, 0.3392



78.1863, 0.3064, 0.3186

Split Complementary

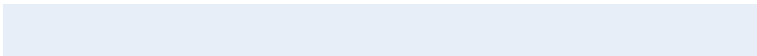
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9277, 0.3121, 0.3204



84.9277, 0.3189, 0.3392



84.9277, 0.3026, 0.3202

Square

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



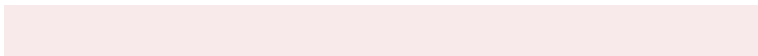
84.9277, 0.3189, 0.3392



84.9277, 0.3032, 0.3289



84.9277, 0.3065, 0.3190



84.9277, 0.3224, 0.3290

Rectangle

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



84.9277, 0.3189, 0.3392



84.9277, 0.3093, 0.3355



84.9277, 0.3065, 0.3190



84.9277, 0.3161, 0.3226

Sweetspot

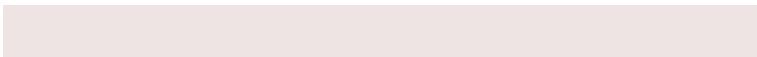
The Sweet Spot groups the original color and five complimentary colors.



84.9314, 0.3189, 0.3392



99.8338, 0.3142, 0.3314



79.2957, 0.3195, 0.3288



21.3703, 0.3141, 0.3313



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.



84.9314, 0.3189, 0.3392



99.1909, 0.3201, 0.3412



84.1176, 0.3157, 0.3393



18.5607, 0.3211, 0.3429



44.1162, 0.4196, 0.5050



3.6717, 0.4196, 0.5050

Inverse Universe

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



78.1863, 0.3064, 0.3186



89.8087, 0.3051, 0.3165



78.9769, 0.3097, 0.3187



16.5778, 0.3041, 0.3147



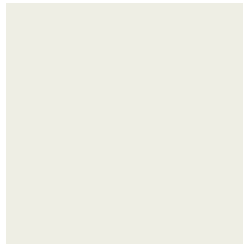
3.4513, 0.1500, 0.0601



0.2887, 0.1501, 0.0604

Previews

White Background



This preview shows how the Yxy color 84.9277, 0.3189, 0.3392 looks on a white background.

Color Contrast Check

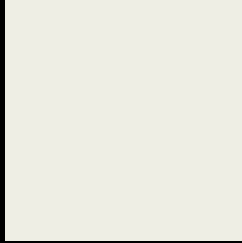
Large Text (above 18pt) WCAG AA × Fail

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 84.9277, 0.3189, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

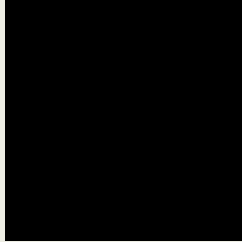
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

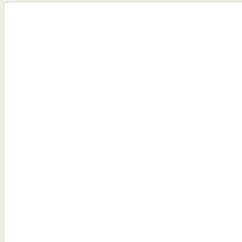
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9277, 0.3189, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 84.9277, 0.3189, 0.3392.

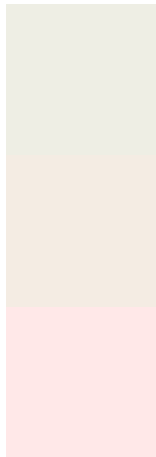


This preview shows how white text looks on a background with the Yxy color 84.9277, 0.3189, 0.3392.

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

84.9277, 0.3189, 0.3392

Protanopia

84.7701, 0.3238, 0.3381

Deuteranopia

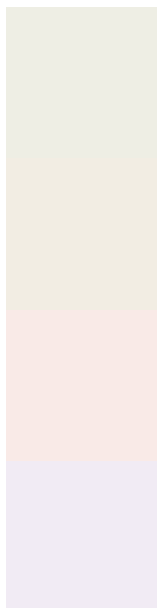
84.7994, 0.3285, 0.3290



Tritanopia

84.8147, 0.3063, 0.3101

Trichromacy



Original Color

84.9277, 0.3189, 0.3392

Protanomaly

84.9917, 0.3223, 0.3392

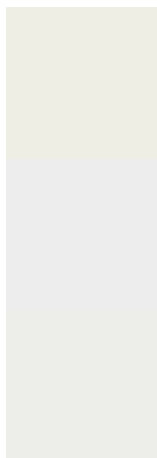
Deuteranomaly

84.7549, 0.3248, 0.3320

Tritanomaly

84.6491, 0.3111, 0.3200

Monochromacy



Original Color

84.9277, 0.3189, 0.3392

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5134, 0.3146, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9277, 0.3189, 0.3392 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(238, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 228)  
}
```

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(238, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 228) }
```

Border

The CSS property to change the border of an element to Yxy 84.9277, 0.3189, 0.3392 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(238, 238, 228) }
```

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

```
.border{ border-color:rgb(238, 238, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9277, 0.3189, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 228) }
```

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

```
.background{ background-color: rgb(238,  
238, 228) }
```

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