

Converting Colors

$Y_{xy}(91.5872, 0.3422, 0.3199)$

Have a look what the booklet for
Yxy(91.5872, 0.3422, 0.3199)
contains.

Yxy(85.3840, 0.3220, 0.3192)	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(85.3840, 0.3220, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8F2
RGB	255, 232, 242
RGB Percent	100%, 91%, 95%
CMY	0.0000, 0.0902, 0.0508
CMYK	0.00, 0.09, 0.05, 0.00
HSL	334°, 100%, 95%
HSV	334°, 9%, 100%
XYZ	86.1330, 85.3840, 95.9768
YIQ	240.0170, 10.4980, 7.9860

Conversions

Conversions Part 2

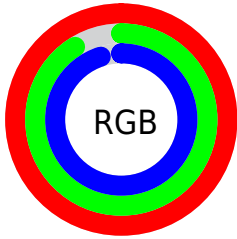
Format	Color
R_{YB}	255, 232, 242
Decimal	16771314
CIE _{Lab}	94.05, 9.51, -2.02
CIE _{LCh}	94, 9.720, 347.977
Yxy	85.3840, 0.3220, 0.3192
Android (android.graphics.Color)	4294961394 (0xFFFFE8F2)
YUV	240.0170, 0.9776, 13.1401
Hunter-Lab	92.4035, 4.6810, 3.0996

Details

The Yxy color **85.3840, 0.3220, 0.3192** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.2649, 0.3043, 0.3390**, and the grayscale version is **87.1385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6016, 0.3239, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **71.2253, 0.3344, 0.3077**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

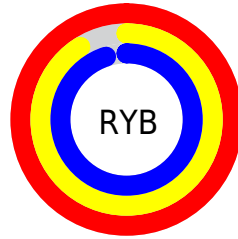
Distribution



Red (100%)

Green (91%)

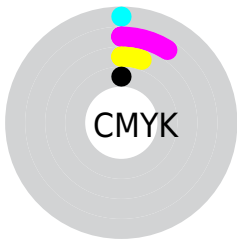
Blue (95%)



Red (100%)

Yellow (91%)

Blue (95%)

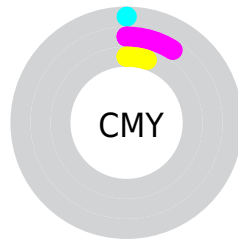


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3840, 0.3220, 0.3192 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 85.3840, 0.3220, 0.3192 by changing the saturation by 10% instead.


 85.3840, 0.3220,
0.3192

 85.3840, 0.3220,
0.3192


512.8978, 0.3178,
0.3236

 64.1587, 0.3229,
0.3182


140.9096, 0.3206,
0.3207

 46.7792, 0.3240,
0.3171


175.9786, 0.3200,
0.3213

 32.8612, 0.3254,
0.3156


216.4311, 0.3195,
0.3218

 22.0201, 0.3272,
0.3137

262.6513, 0.3191,
0.3222

 13.8717, 0.3296,
0.3112

315.0237, 0.3187,
0.3226

 8.0315, 0.3329,
0.3078

373.9326, 0.3184,

 4.1151, 0.3379,

0.3230

0.3027

439.7626, 0.3181,
0.3233

■ 1.7382, 0.3460,
0.2944

■ 0.4482, 0.3791,
0.2582

■ 85.3840, 0.3220,
0.3192

■ 85.3840, 0.3220,
0.3192

■ 71.2253, 0.3344,
0.3077

100.0000, 0.3127,
0.3290

■ 59.1261, 0.3494,
0.2959

■ 48.9892, 0.3673,
0.2841

■ 40.7094, 0.3885,
0.2730

■ 34.1713, 0.4129,
0.2637

■ 29.2467, 0.4401,
0.2573

■ 25.7893, 0.4689,
0.2552

■ 23.6258, 0.4977,
0.2585

■ 22.5010, 0.5247,
0.2669

Harmonies

Analogous

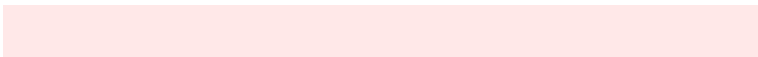
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3840, 0.3109, 0.3126



85.3840, 0.3220, 0.3192



85.3840, 0.3307, 0.3284

Triad

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



85.3840, 0.3220, 0.3192



85.3840, 0.3249, 0.3485



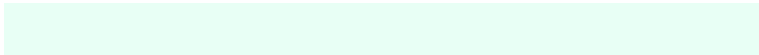
85.3840, 0.2914, 0.3195

Complementary

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



85.3840, 0.3220, 0.3192



95.2649, 0.3043, 0.3390

Split Complementary

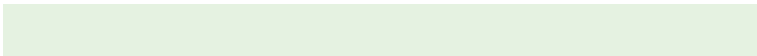
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3840, 0.2950, 0.3292



85.3840, 0.3220, 0.3192



85.3840, 0.3143, 0.3462

Square

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



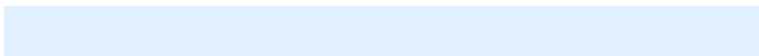
85.3840, 0.3220, 0.3192



85.3840, 0.3324, 0.3453



85.3840, 0.3033, 0.3391



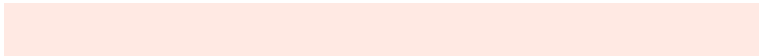
85.3840, 0.2933, 0.3126

Rectangle

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



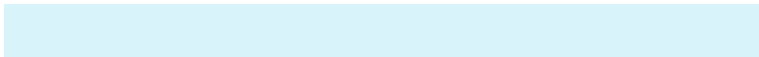
85.3840, 0.3220, 0.3192



85.3840, 0.3339, 0.3349



85.3840, 0.3033, 0.3391



85.3840, 0.2920, 0.3226

Sweetspot

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



85.3843, 0.3220, 0.3192



94.9413, 0.3156, 0.3258



84.2802, 0.3069, 0.3063



20.0392, 0.3164, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

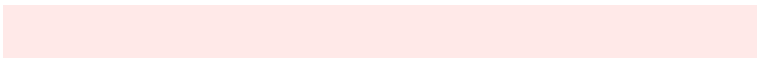
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3843, 0.3220, 0.3192



82.4146, 0.3243, 0.3170



85.4466, 0.3284, 0.3302



18.1188, 0.3225, 0.3187



11.7413, 0.5232, 0.2656



1.1647, 0.4946, 0.2498

Inverse Universe

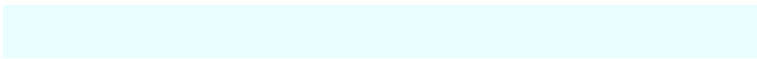
The Inverse Universe completely reimagines the original color for something new.



85.3843, 0.3220, 0.3192



82.4146, 0.3243, 0.3170



95.1635, 0.2987, 0.3278



18.1188, 0.3225, 0.3187



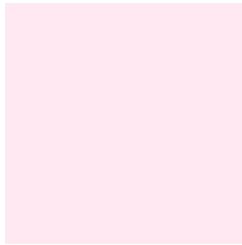
11.7413, 0.5232, 0.2656



1.1647, 0.4946, 0.2498

Previews

White Background



This preview shows how the Yxy color 85.3840, 0.3220, 0.3192 looks on a white background.

Color Contrast Check

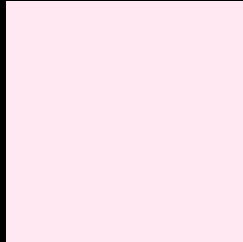
Large Text (above 18pt) WCAG AA × Fail

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 85.3840, 0.3220, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

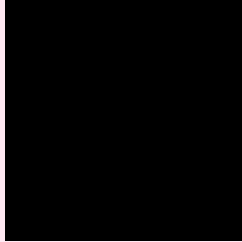
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3840, 0.3220, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 85.3840, 0.3220, 0.3192.

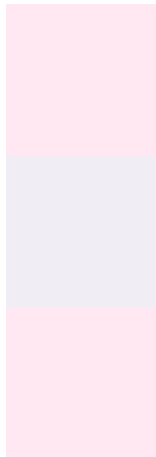


This preview shows how white text looks on a background with the Yxy color 85.3840, 0.3220, 0.3192.

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

85.3840, 0.3220, 0.3192

Protanopia

85.6862, 0.3098, 0.3210

Deuteranopia

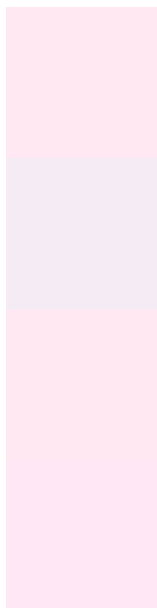
85.3241, 0.3227, 0.3202



Tritanopia

85.1891, 0.3182, 0.3125

Trichromacy



Original Color

85.3840, 0.3220, 0.3192

Protanomaly

85.3608, 0.3138, 0.3201

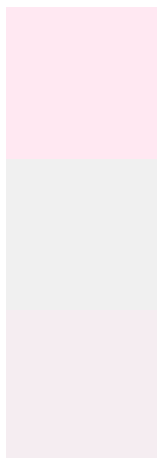
Deuteranomaly

85.3241, 0.3227, 0.3202

Tritanomaly

85.0656, 0.3195, 0.3144

Monochromacy



Original Color

85.3840, 0.3220, 0.3192

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.3317, 0.3156, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3840, 0.3220, 0.3192 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, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 242)  
}
```

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, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 85.3840, 0.3220, 0.3192 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, 232, 242) }
```

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

```
.border{ border-color:rgb(255, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3840, 0.3220, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 242) }
```

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

```
.background{ background-color: rgb(255,  
232, 242) }
```

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