

Converting Colors

$Y_{xy}(84.7248, 0.3320, 0.3348)$

Have a look what the booklet for
Yxy(84.7248, 0.3320, 0.3348)
contains.

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Color

Yxy(84.5193, 0.3318, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8E3
RGB	255, 232, 227
RGB Percent	100%, 91%, 89%
CMY	0.0000, 0.0902, 0.1098
CMYK	0.00, 0.09, 0.11, 0.00
HSL	11°, 100%, 95%
HSV	11°, 11%, 100%
XYZ	83.9626, 84.5193, 84.5699
YIQ	238.3070, 15.3130, 3.3210

Conversions

Conversions Part 2

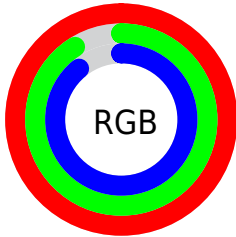
Format	Color
R _Y B	255, 233, 227
Decimal	16771299
CIE Lab	93.68, 7.02, 5.25
CIE LCh	94, 8.763, 36.823
Yxy	84.5193, 0.3318, 0.3340
Android (android.graphics.Color)	4294961379 (0xFFFFE8E3)
YUV	238.3070, -5.5744, 14.6398
Hunter-Lab	91.9344, 2.1368, 9.8135

Details

The Yxy color **84.5193, 0.3318, 0.3340** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.9286, 0.2957, 0.3239**, and the grayscale version is **85.7882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0350, 0.3358, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **72.1168, 0.3531, 0.3389**, and if you desaturate by 10%, it is **98.5439, 0.3142, 0.3294**.

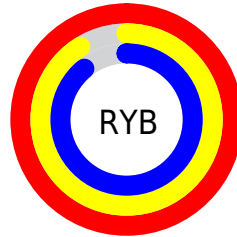
Distribution



Red (100%)

Green (91%)

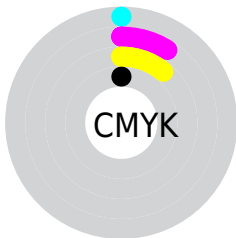
Blue (89%)



Red (100%)

Yellow (91%)

Blue (89%)

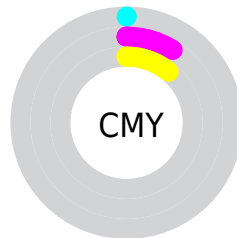


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5193, 0.3318, 0.3340 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 84.5193, 0.3318, 0.3340 by changing the saturation by 10% instead.

 84.5193, 0.3318,
0.3340

 84.5193, 0.3318,
0.3340

510.0361, 0.3232,
0.3318

 63.4443, 0.3337,
0.3345


139.7014, 0.3288,
0.3333

 46.2007, 0.3361,
0.3350


174.5772, 0.3277,
0.3330

 32.4042, 0.3391,
0.3357


214.8221, 0.3267,
0.3327

 21.6704, 0.3429,
0.3366

260.8204, 0.3258,
0.3325

 13.6150, 0.3480,
0.3377

312.9566, 0.3250,
0.3323

 7.8534, 0.3552,
0.3393

371.6150, 0.3243,

 4.0013, 0.3661,

0.3321

0.3414

437.1800, 0.3237,
0.3320

■ 1.6743, 0.3844,
0.3445

■ 0.4069, 0.5361,
0.3910

■ 84.5193, 0.3318,
0.3340

■ 84.5193, 0.3318,
0.3340

■ 72.1168, 0.3531,
0.3389

■ 98.5439, 0.3142,
0.3294

■ 61.2667, 0.3790,
0.3439

■ 99.9999, 0.3127,
0.3290

■ 51.9111, 0.4100,
0.3489

■ 43.9839, 0.4462,
0.3532

■ 37.4141, 0.4870,
0.3563

■ 32.1243, 0.5298,
0.3571

■ 28.0295, 0.5705,
0.3549

■ 25.0335, 0.6037,
0.3494

■ 23.1742, 0.6240,
0.3427

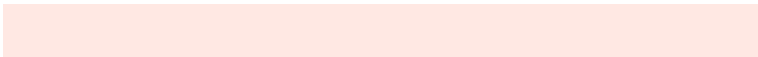
Harmonies

Analogous

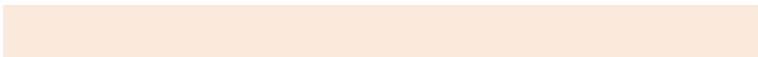
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5193, 0.3265, 0.3252



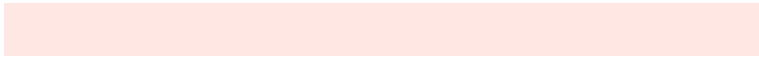
84.5193, 0.3318, 0.3340



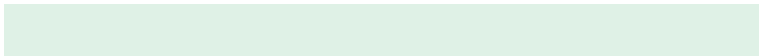
84.5193, 0.3319, 0.3417

Triad

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



84.5193, 0.3318, 0.3340



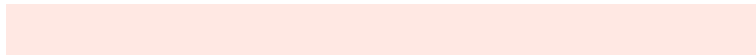
84.5193, 0.3078, 0.3409



84.5193, 0.2987, 0.3122

Complementary

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



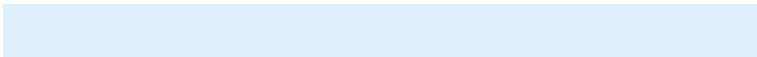
84.5193, 0.3318, 0.3340



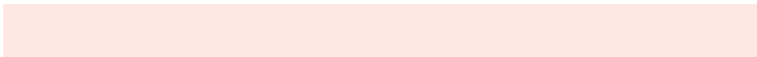
91.9286, 0.2957, 0.3239

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.



84.5193, 0.2939, 0.3161



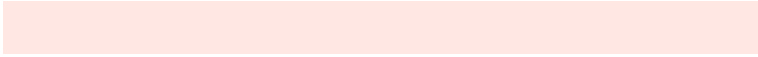
84.5193, 0.3318, 0.3340



84.5193, 0.2991, 0.3327

Square

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



84.5193, 0.3318, 0.3340



84.5193, 0.3179, 0.3459



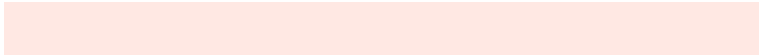
84.5193, 0.2940, 0.3235



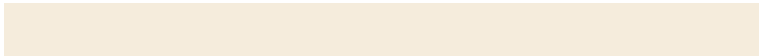
84.5193, 0.3073, 0.3128

Rectangle

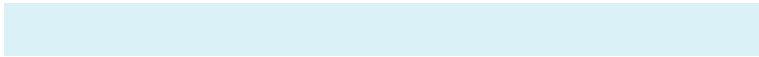
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



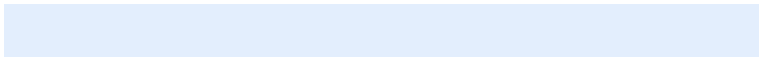
84.5193, 0.3318, 0.3340



84.5193, 0.3290, 0.3451



84.5193, 0.2940, 0.3235



84.5193, 0.2966, 0.3130

Sweetspot

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



84.5230, 0.3318, 0.3340



95.5721, 0.3175, 0.3303



83.1284, 0.3170, 0.3063



20.2085, 0.3189, 0.3307



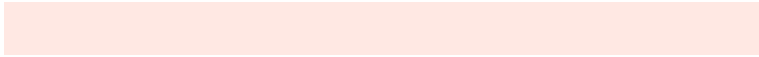
0.0000, 0.0000, 0.0000



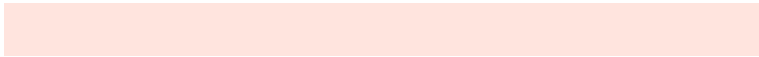
21.4041, 0.3127, 0.3290

Same Dimension

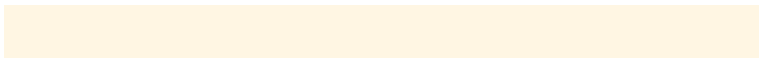
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5230, 0.3318, 0.3340



81.8827, 0.3358, 0.3350



92.5181, 0.3302, 0.3473



18.5108, 0.3290, 0.3333



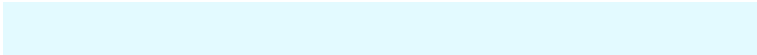
12.2595, 0.6217, 0.3445



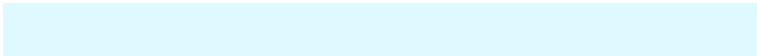
1.3296, 0.6020, 0.3602

Inverse Universe

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



91.9286, 0.2957, 0.3239



90.5307, 0.2926, 0.3230



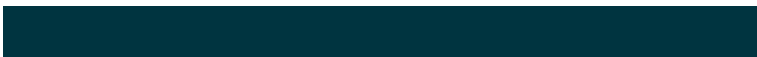
83.7410, 0.2955, 0.3100



19.8977, 0.2980, 0.3247



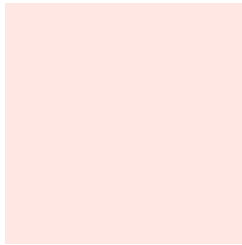
27.9317, 0.2086, 0.2708



2.8572, 0.2106, 0.2782

Previews

White Background



This preview shows how the Yxy color 84.5193, 0.3318, 0.3340 looks on a white background.

Color Contrast Check

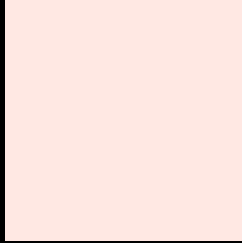
Large Text (above 18pt) WCAG AA × Fail

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 84.5193, 0.3318, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

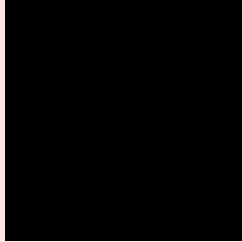
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

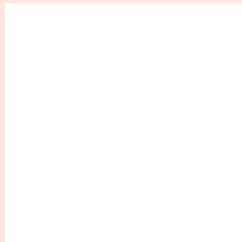
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5193, 0.3318, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 84.5193, 0.3318, 0.3340.

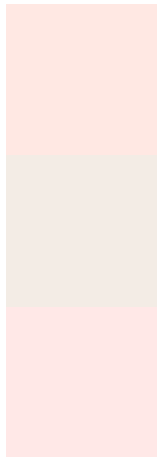


This preview shows how white text looks on a background with the Yxy color 84.5193, 0.3318, 0.3340.

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

84.5193, 0.3318, 0.3340

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

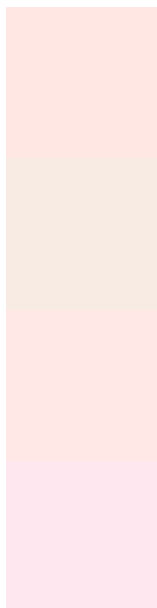
84.7427, 0.3292, 0.3300



Tritanopia

84.5074, 0.3196, 0.3134

Trichromacy



Original Color

84.5193, 0.3318, 0.3340

Protanomaly

84.7923, 0.3253, 0.3361

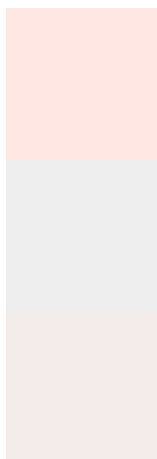
Deuteranomaly

84.6864, 0.3298, 0.3310

Tritanomaly

84.6438, 0.3240, 0.3212

Monochromacy



Original Color

84.5193, 0.3318, 0.3340

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.1645, 0.3193, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5193, 0.3318, 0.3340 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 227) }
```

Border

The CSS property to change the border of an element to Yxy 84.5193, 0.3318, 0.3340 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, 227) }
```

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

```
.border{ border-color:rgb(255, 232, 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, 232, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5193, 0.3318, 0.3340 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, 227) }
```

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

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