

Converting Colors

$Y_{xy}(84.2843, 0.3202, 0.3316)$

Have a look what the booklet for
Yxy(84.2843, 0.3202, 0.3316)
contains.

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Color

Yxy(84.4760, 0.3207, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	F4EBE8
RGB	244, 235, 232
RGB Percent	96%, 92%, 91%
CMY	0.0429, 0.0785, 0.0901
CMYK	0.00, 0.04, 0.05, 0.04
HSL	15°, 35%, 93%
HSV	15°, 5%, 96%
XYZ	81.6008, 84.4760, 88.3690
YIQ	237.3490, 6.3270, 0.9750

Conversions

Conversions Part 2

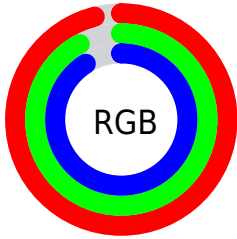
Format	Color
R _Y B	244, 236, 232
Decimal	16051176
CIE Lab	93.66, 2.55, 2.51
CIE LCh	94, 3.579, 44.465
Yxy	84.4760, 0.3207, 0.3320
Android (android.graphics.Color)	4294241256 (0xFF4E8E8)
YUV	237.3490, -2.6371, 5.8329
Hunter-Lab	91.9108, -2.3671, 7.3323

Details

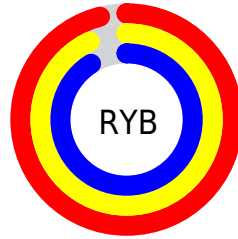
The Yxy color **84.4760, 0.3207, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.6698, 0.3051, 0.3260**, and the grayscale version is **84.9973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0662, 0.3230, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **73.1852, 0.3393, 0.3384**, and if you desaturate by 10%, it is **96.9652, 0.3060, 0.3274**.

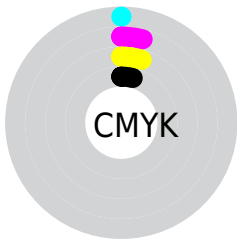
Distribution



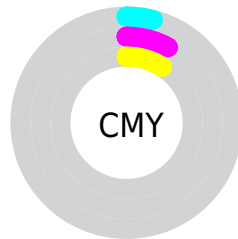
- Red (96%)
- Green (92%)
- Blue (91%)



- Red (96%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (4%)





- Cyan (4%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4760, 0.3207, 0.3320 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 84.4760, 0.3207, 0.3320 by changing the saturation by 10% instead.


 84.4760, 0.3207,
0.3320

 84.4760, 0.3207,
0.3320

509.8926, 0.3171,
0.3307

 63.4085, 0.3215,
0.3323

139.6408, 0.3195,
0.3315

 46.1718, 0.3225,
0.3327


174.5070, 0.3190,
0.3314

 32.3814, 0.3237,
0.3331


214.7414, 0.3186,
0.3312

 21.6530, 0.3253,
0.3337

260.7286, 0.3182,
0.3311

 13.6021, 0.3274,
0.3344

312.8529, 0.3179,
0.3310

 7.8445, 0.3304,
0.3355

371.4988, 0.3176,

 3.9956, 0.3349,

0.3309

0.3370

437.0505, 0.3173,
0.3308

■ 1.6711, 0.3425,
0.3396

■ 0.4048, 0.4001,
0.3623

■ 84.4760, 0.3207,
0.3320

■ 84.4760, 0.3207,
0.3320

■ 73.1852, 0.3393,
0.3384

■ 96.9652, 0.3060,
0.3274

■ 63.1335, 0.3616,
0.3452

■ 97.9842, 0.3060,
0.3290

■ 54.2817, 0.3882,
0.3521

■ 46.5841, 0.4194,
0.3587

■ 39.9920, 0.4550,
0.3643

■ 34.4535, 0.4940,
0.3679

■ 29.9118, 0.5339,
0.3684

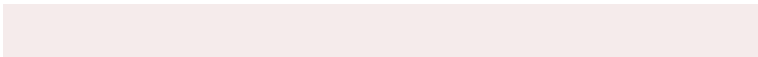
■ 26.3047, 0.5706,
0.3650

■ 23.5619, 0.5998,
0.3574

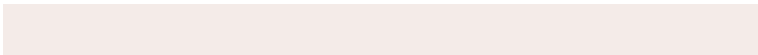
Harmonies

Analogous

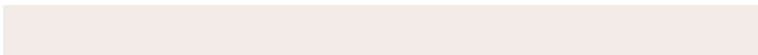
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4760, 0.3191, 0.3284



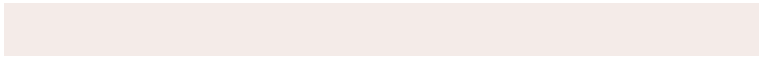
84.4760, 0.3207, 0.3320



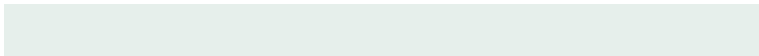
84.4760, 0.3202, 0.3348

Triad

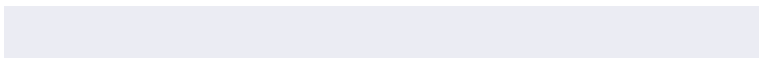
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4760, 0.3207, 0.3320



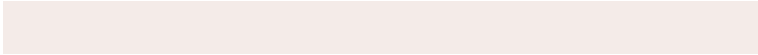
84.4760, 0.3097, 0.3331



84.4760, 0.3078, 0.3220

Complementary

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



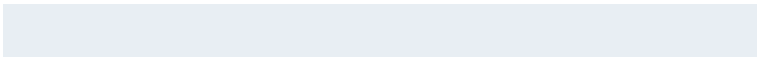
84.4760, 0.3207, 0.3320



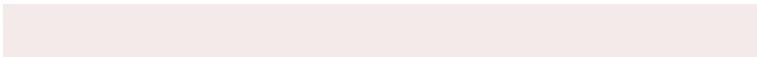
86.6698, 0.3051, 0.3260

Split Complementary

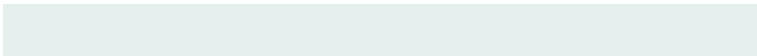
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4760, 0.3053, 0.3232



84.4760, 0.3207, 0.3320



84.4760, 0.3064, 0.3296

Square

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



84.4760, 0.3207, 0.3320



84.4760, 0.3138, 0.3355



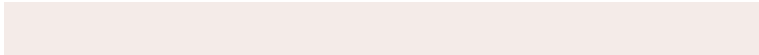
84.4760, 0.3048, 0.3260



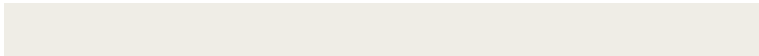
84.4760, 0.3116, 0.3227

Rectangle

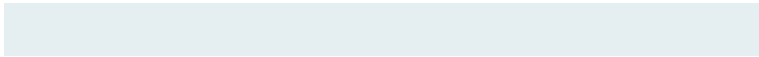
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



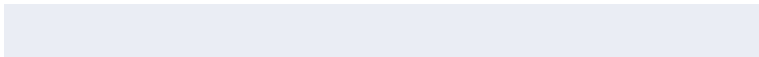
84.4760, 0.3207, 0.3320



84.4760, 0.3187, 0.3359



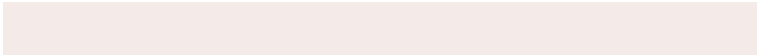
84.4760, 0.3048, 0.3260



84.4760, 0.3068, 0.3222

Sweetspot

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



84.4797, 0.3207, 0.3320



98.6156, 0.3143, 0.3296



83.3398, 0.3150, 0.3198



21.1224, 0.3142, 0.3296



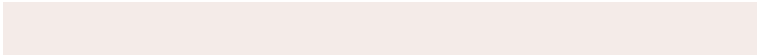
0.0000, 0.0000, 0.0000



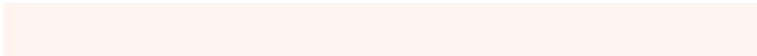
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4797, 0.3207, 0.3320



91.9089, 0.3226, 0.3327



87.8956, 0.3202, 0.3379



17.8540, 0.3236, 0.3331



12.3900, 0.6087, 0.3549



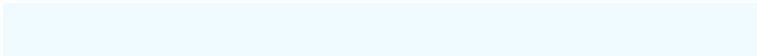
1.2442, 0.5847, 0.3739

Inverse Universe

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



86.6698, 0.3051, 0.3260



94.8387, 0.3034, 0.3253



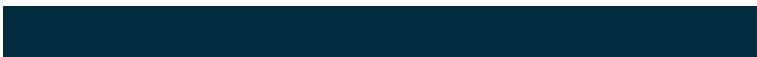
83.2490, 0.3052, 0.3200



18.4854, 0.3024, 0.3249



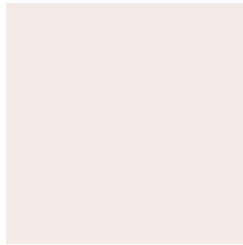
22.4342, 0.2021, 0.2475



2.1319, 0.2053, 0.2589

Previews

White Background



This preview shows how the Yxy color 84.4760, 0.3207, 0.3320 looks on a white background.

Color Contrast Check

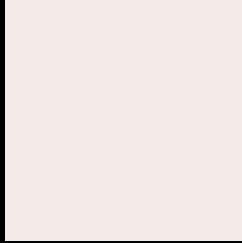
Large Text (above 18pt) WCAG AA × Fail

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 84.4760, 0.3207, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

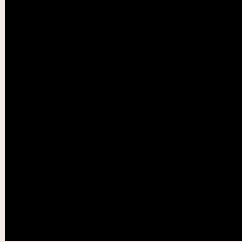
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

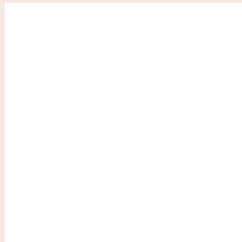
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4760, 0.3207, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 84.4760, 0.3207, 0.3320.

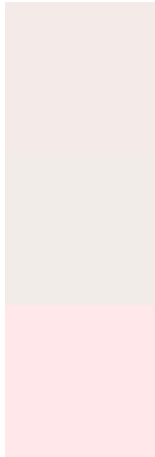


This preview shows how white text looks on a background with the Yxy color 84.4760, 0.3207, 0.3320.

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

84.4760, 0.3207, 0.3320

Protanopia

84.6943, 0.3192, 0.3331

Deuteranopia

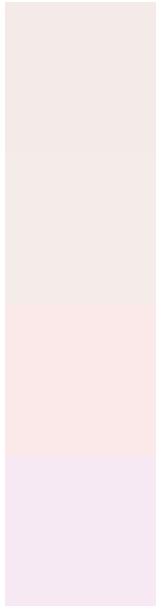
84.3523, 0.3273, 0.3261



Tritanopia

84.3895, 0.3115, 0.3112

Trichromacy



Original Color

84.4760, 0.3207, 0.3320

Protanomaly

84.8718, 0.3199, 0.3331

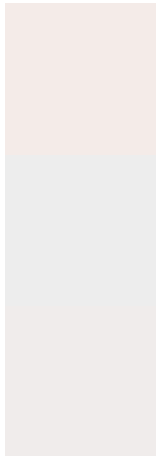
Deuteranomaly

84.1056, 0.3251, 0.3280

Tritanomaly

84.3417, 0.3152, 0.3191

Monochromacy



Original Color

84.4760, 0.3207, 0.3320

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5143, 0.3160, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4760, 0.3207, 0.3320 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(244, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(244, 235, 232)  
}
```

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(244, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 235, 232) }
```

Border

The CSS property to change the border of an element to Yxy 84.4760, 0.3207, 0.3320 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(244, 235, 232) }
```

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

```
.border{ border-color:rgb(244, 235, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 235, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 235, 232); box-shadow:4px 4px 4px 4px rgb(244, 235, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4760, 0.3207, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 235, 232) }
```

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

```
.background{ background-color: rgb(244,  
235, 232) }
```

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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