

Converting Colors

$Yxy(84.6483, 0.3127, 0.3217)$

Have a look what the booklet for
Yxy(84.6483, 0.3127, 0.3217)
contains.

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Color

Yxy(84.7047, 0.3130, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F2EBF2
RGB	242, 235, 242
RGB Percent	95%, 92%, 95%
CMY	0.0512, 0.0783, 0.0510
CMYK	0.00, 0.03, 0.00, 0.05
HSL	299°, 21%, 94%
HSV	299°, 3%, 95%
XYZ	82.3372, 84.7047, 96.0162
YIQ	237.8910, 1.9250, 3.6610

Conversions

Conversions Part 2

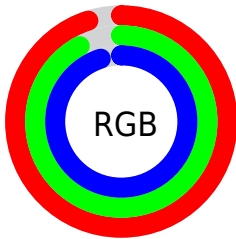
Format	Color
R _Y B	242, 235, 242
Decimal	15920114
CIE Lab	93.76, 3.55, -2.56
CIE LCh	94, 4.377, 324.279
Yxy	84.7047, 0.3130, 0.3220
Android (android.graphics.Color)	4294110194 (0xFFFF2EBF2)
YUV	237.8910, 2.0257, 3.6036
Hunter-Lab	92.0352, -1.3705, 2.5700

Details

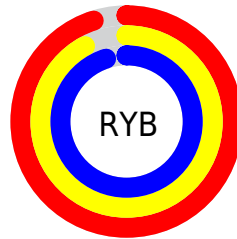
The Yxy color **84.7047, 0.3130, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.1840, 0.3124, 0.3361**, and the grayscale version is **85.3906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2245, 0.3131, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **71.7379, 0.3140, 0.2972**, and if you desaturate by 10%, it is **96.8381, 0.3122, 0.3418**.

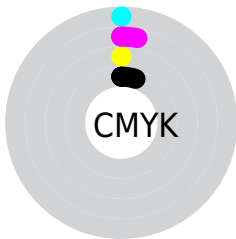
Distribution



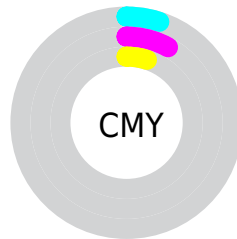
- Red (95%)
- Green (92%)
- Blue (95%)



- Red (95%)
- Yellow (92%)
- Blue (95%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7047, 0.3130, 0.3220 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 84.7047, 0.3130, 0.3220 by changing the saturation by 10% instead.

 84.7047, 0.3130,
0.3220

 84.7047, 0.3130,
0.3220


510.6504, 0.3129,
0.3251

 63.5974, 0.3130,
0.3213

139.9605, 0.3130,
0.3231

 46.3247, 0.3131,
0.3205


174.8778, 0.3129,
0.3235

 32.5021, 0.3131,
0.3194


215.1673, 0.3129,
0.3239

 21.7453, 0.3131,
0.3180

261.2133, 0.3129,
0.3242

 13.6699, 0.3132,
0.3162

313.4002, 0.3129,
0.3245

 7.8914, 0.3132,
0.3137

372.1124, 0.3129,

 4.0255, 0.3133,

0.3247

0.3100

437.7344, 0.3129,
0.3249

■ 1.6879, 0.3134,
0.3038

■ 0.4158, 0.3152,
0.2719

■ 84.7047, 0.3130,
0.3220

■ 84.7047, 0.3130,
0.3220

■ 71.7379, 0.3140,
0.2972

■ 96.8381, 0.3122,
0.3418

■ 60.5771, 0.3150,
0.2720

■ 96.8790, 0.3124,
0.3418

■ 51.1452, 0.3159,
0.2471

■ 96.9200, 0.3125,
0.3418

■ 43.3554, 0.3168,
0.2236

■ 96.9610, 0.3126,
0.3418

37.1135, 0.3175,
0.2023

97.0021, 0.3128,
0.3418

32.3155, 0.3181,
0.1842

97.0433, 0.3129,
0.3417

28.8449, 0.3184,
0.1701

97.0844, 0.3131,
0.3417

26.5672, 0.3186,
0.1603

97.1257, 0.3132,
0.3417

25.3194, 0.3186,
0.1548

97.1670, 0.3134,
0.3417

Harmonies

Analogous

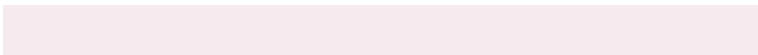
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7047, 0.3081, 0.3205



84.7047, 0.3130, 0.3220



84.7047, 0.3179, 0.3254

Triad

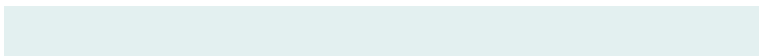
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7047, 0.3130, 0.3220



84.7047, 0.3211, 0.3369



84.7047, 0.3041, 0.3282

Complementary

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



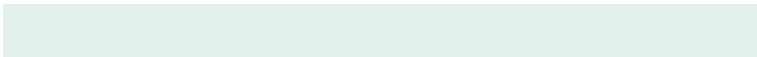
84.7047, 0.3130, 0.3220



87.1840, 0.3124, 0.3361

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.



84.7047, 0.3076, 0.3327



84.7047, 0.3130, 0.3220



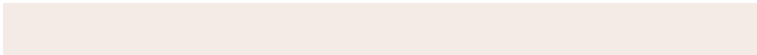
84.7047, 0.3173, 0.3377

Square

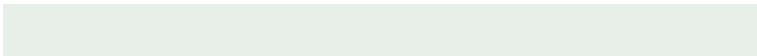
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



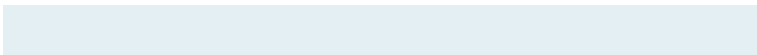
84.7047, 0.3130, 0.3220



84.7047, 0.3226, 0.3339



84.7047, 0.3124, 0.3362



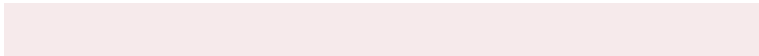
84.7047, 0.3030, 0.3240

Rectangle

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



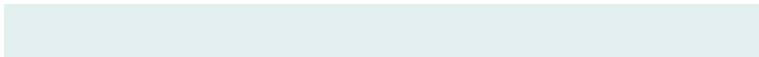
84.7047, 0.3130, 0.3220



84.7047, 0.3204, 0.3282



84.7047, 0.3124, 0.3362



84.7047, 0.3051, 0.3297

Sweetspot

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



84.7083, 0.3130, 0.3220



98.3792, 0.3128, 0.3266



83.5753, 0.3084, 0.3220



21.0743, 0.3128, 0.3267



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.



84.7083, 0.3130, 0.3220



95.2020, 0.3130, 0.3217



84.5193, 0.3151, 0.3254



17.6058, 0.3131, 0.3198



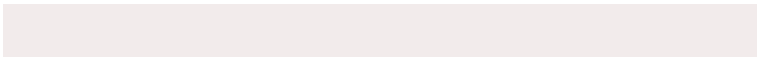
13.3705, 0.3185, 0.1528



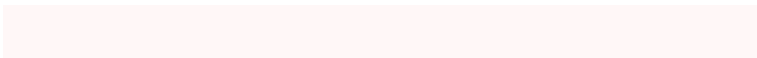
1.1148, 0.3189, 0.1530

Inverse Universe

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



84.3126, 0.3174, 0.3289



94.7374, 0.3176, 0.3289



87.3695, 0.3104, 0.3326



17.4967, 0.3189, 0.3289



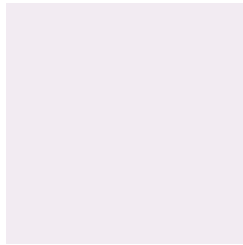
10.1449, 0.6391, 0.3294



0.8448, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 84.7047, 0.3130, 0.3220 looks on a white background.

Color Contrast Check

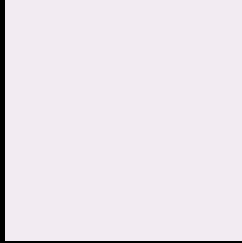
Large Text (above 18pt) WCAG AA × Fail

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 84.7047, 0.3130, 0.3220 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

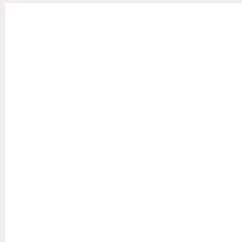
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7047, 0.3130, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 84.7047, 0.3130, 0.3220.

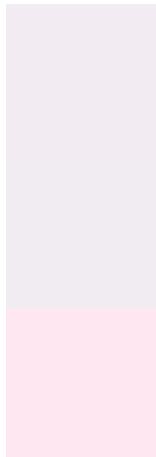


This preview shows how white text looks on a background with the Yxy color 84.7047, 0.3130, 0.3220.

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

84.7047, 0.3130, 0.3220

Protanopia

84.9270, 0.3117, 0.3230

Deuteranopia

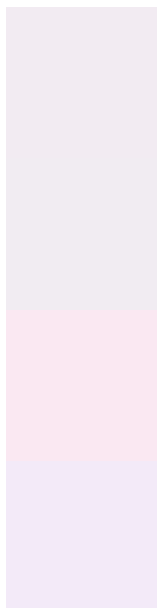
84.8226, 0.3221, 0.3183



Tritanopia

84.3608, 0.3076, 0.3101

Trichromacy



Original Color

84.7047, 0.3130, 0.3220

Protanomaly

85.1025, 0.3123, 0.3230

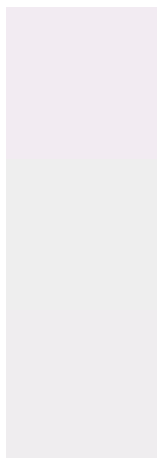
Deuteranomaly

84.4480, 0.3186, 0.3191

Tritanomaly

84.6776, 0.3100, 0.3151

Monochromacy



Original Color

84.7047, 0.3130, 0.3220

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.1511, 0.3128, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7047, 0.3130, 0.3220 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(242, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 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(242, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 242) }
```

Border

The CSS property to change the border of an element to Yxy 84.7047, 0.3130, 0.3220 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(242, 235, 242) }
```

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

```
.border{ border-color:rgb(242, 235, 242) }
```

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

Here you see how a box with a 4 pixel rgb(242, 235, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7047, 0.3130, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 242) }
```

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

```
.background{ background-color: rgb(242,  
235, 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](#).

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