

Converting Colors

$Y_{xy}(84.2233, 0.3140, 0.3262)$

Have a look what the booklet for
Yxy(84.2233, 0.3140, 0.3262)
contains.

Yxy(84.1150, 0.3142, 0.3260)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.1150, 0.3142, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	F0EBEE
RGB	240, 235, 238
RGB Percent	94%, 92%, 93%
CMY	0.0589, 0.0784, 0.0667
CMYK	0.00, 0.02, 0.01, 0.06
HSL	324°, 14%, 93%
HSV	324°, 2%, 94%
XYZ	81.0703, 84.1150, 92.8361
YIQ	236.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

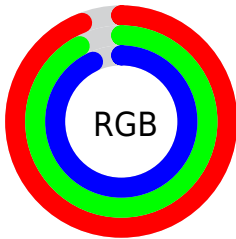
Format	Color
R_{YB}	240, 235, 238
Decimal	15789038
CIE _{Lab}	93.50, 2.20, -0.85
CIE _{LCh}	94, 2.357, 338.746
Yxy	84.1150, 0.3142, 0.3260
Android (android.graphics.Color)	4293979118 (0xFFFF0EBEE)
YUV	236.8370, 0.5734, 2.7740
Hunter-Lab	91.7142, -2.7157, 4.1847

Details

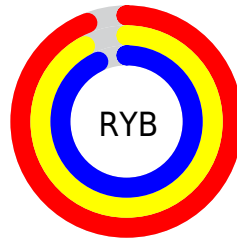
The Yxy color **84.1150, 0.3142, 0.3260** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.0929, 0.3113, 0.3320**, and the grayscale version is **84.5509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8079, 0.3146, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **70.7365, 0.3222, 0.3110**, and if you desaturate by 10%, it is **96.7994, 0.3077, 0.3362**.

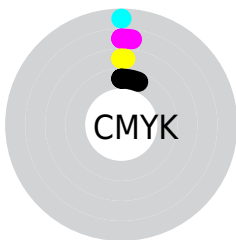
Distribution



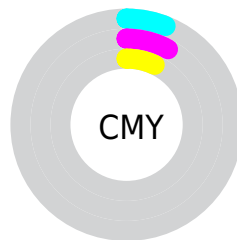
- Red (94%)
- Green (92%)
- Blue (93%)



- Red (94%)
- Yellow (92%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (6%)



- Cyan (6%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1150, 0.3142, 0.3260 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 84.1150, 0.3142, 0.3260 by changing the saturation by 10% instead.

84.1150, 0.3142,
0.3260

84.1150, 0.3142,
0.3260

508.6950, 0.3135,
0.3274

63.1104, 0.3143,
0.3257

139.1360, 0.3140,
0.3265

45.9305, 0.3145,
0.3253

173.9212, 0.3139,
0.3266

32.1910, 0.3148,
0.3249

214.0688, 0.3138,
0.3268

21.5074, 0.3150,
0.3243

259.9630, 0.3137,
0.3269

13.4954, 0.3154,
0.3235

311.9884, 0.3137,
0.3271

7.7706, 0.3160,
0.3224

370.5292, 0.3136,

3.9485, 0.3168,

0.3272

0.3207

435.9700, 0.3136,
0.3273

■ 1.6448, 0.3181,
0.3179

■ 0.3875, 0.3268,
0.3001

■ 84.1150, 0.3142,
0.3260

■ 84.1150, 0.3142,
0.3260

■ 70.7365, 0.3222,
0.3110

■ 96.7994, 0.3077,
0.3362

■ 59.1646, 0.3317,
0.2954

■ 97.2632, 0.3035,
0.3290

■ 49.3238, 0.3430,
0.2795

■ 41.1291, 0.3562,
0.2639

■ 34.4884, 0.3712,
0.2495

■ 29.3002, 0.3880,
0.2373

■ 25.4509, 0.4061,
0.2286

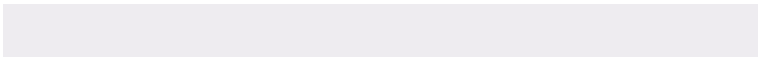
■ 22.8099, 0.4249,
0.2244

■ 21.2199, 0.4437,
0.2256

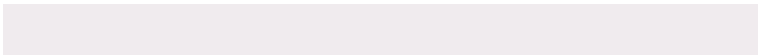
Harmonies

Analogous

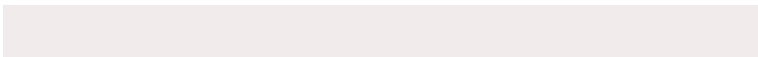
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1150, 0.3115, 0.3246



84.1150, 0.3142, 0.3260



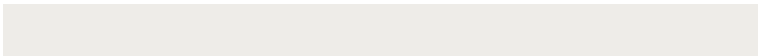
84.1150, 0.3166, 0.3282

Triad

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



84.1150, 0.3142, 0.3260



84.1150, 0.3164, 0.3336



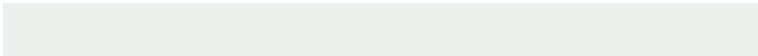
84.1150, 0.3076, 0.3274

Complementary

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



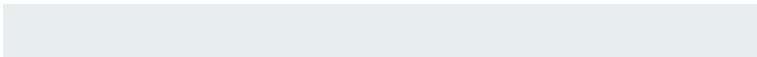
84.1150, 0.3142, 0.3260



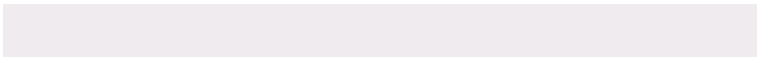
86.0929, 0.3113, 0.3320

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.



84.1150, 0.3089, 0.3299



84.1150, 0.3142, 0.3260



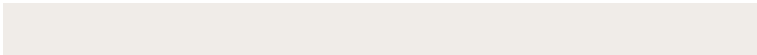
84.1150, 0.3140, 0.3335

Square

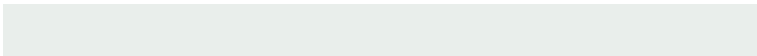
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



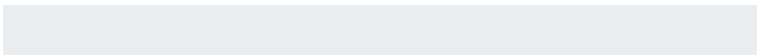
84.1150, 0.3142, 0.3260



84.1150, 0.3178, 0.3326



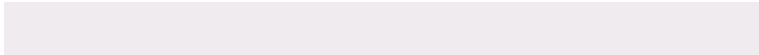
84.1150, 0.3112, 0.3321



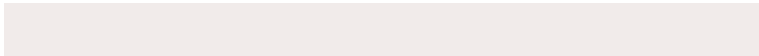
84.1150, 0.3077, 0.3255

Rectangle

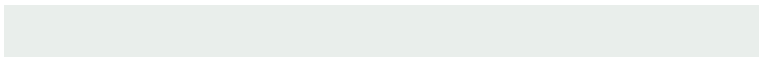
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



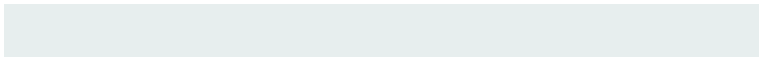
84.1150, 0.3142, 0.3260



84.1150, 0.3176, 0.3298



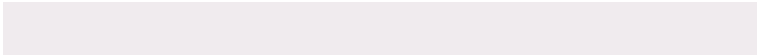
84.1150, 0.3112, 0.3321



84.1150, 0.3079, 0.3282

Sweetspot

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



84.1186, 0.3142, 0.3260



98.3177, 0.3134, 0.3276



83.7190, 0.3110, 0.3239



21.0618, 0.3134, 0.3276



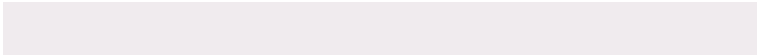
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

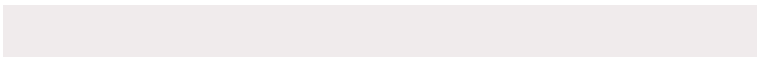
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1186, 0.3142, 0.3260



96.6573, 0.3142, 0.3261



83.9743, 0.3157, 0.3285



18.1399, 0.3141, 0.3263



11.2571, 0.4553, 0.2282



0.9561, 0.4328, 0.2158

Inverse Universe

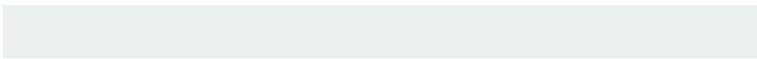
The Inverse Universe completely reimagines the original color for something new.



84.1186, 0.3142, 0.3260



96.6573, 0.3142, 0.3261



86.2384, 0.3098, 0.3295



18.1399, 0.3141, 0.3263



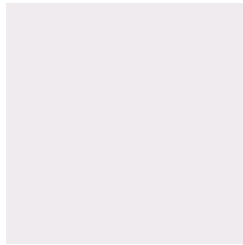
11.2571, 0.4553, 0.2282



0.9561, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 84.1150, 0.3142, 0.3260 looks on a white background.

Color Contrast Check

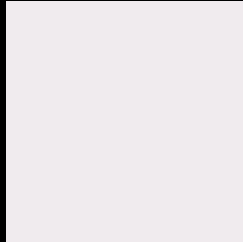
Large Text (above 18pt) WCAG AA × Fail

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 84.1150, 0.3142, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

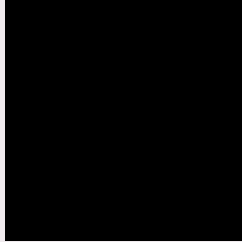
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

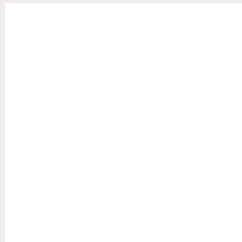
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1150, 0.3142, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 84.1150, 0.3142, 0.3260.

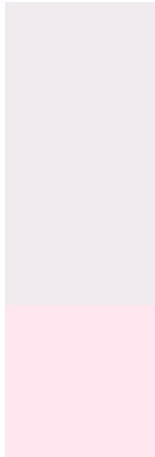


This preview shows how white text looks on a background with the Yxy color 84.1150, 0.3142, 0.3260.

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

84.1150, 0.3142, 0.3260

Protanopia

84.1150, 0.3142, 0.3260

Deuteranopia

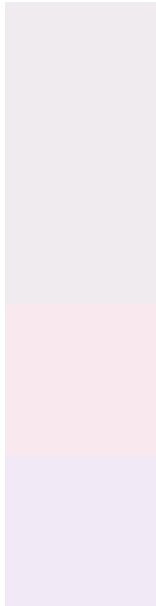
84.0856, 0.3241, 0.3202



Tritanopia

84.1201, 0.3076, 0.3111

Trichromacy



Original Color

84.1150, 0.3142, 0.3260

Protanomaly

84.1150, 0.3142, 0.3260

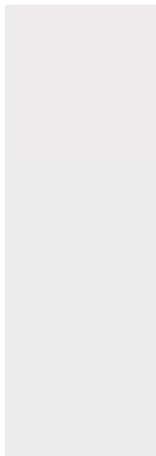
Deuteranomaly

84.2692, 0.3205, 0.3221

Tritanomaly

84.2002, 0.3099, 0.3170

Monochromacy



Original Color

84.1150, 0.3142, 0.3260

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.2825, 0.3134, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1150, 0.3142, 0.3260 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(240, 235, 238) looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 238)  
}
```

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(240, 235, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 238) }
```

Border

The CSS property to change the border of an element to Yxy 84.1150, 0.3142, 0.3260 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(240, 235, 238) }
```

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

```
.border{ border-color:rgb(240, 235, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 235, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 235, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 235, 238); box-shadow:4px 4px 4px 4px rgb(240, 235, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1150, 0.3142, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 238) }
```

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

```
.background{ background-color: rgb(240,  
235, 238) }
```

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