

Converting Colors

$Y_{xy}(84.3815, 0.3221, 0.3372)$

Have a look what the booklet for
Yxy(84.3815, 0.3221, 0.3372)
contains.

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Color

Yxy(84.4696, 0.3218, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	F2ECE4
RGB	242, 236, 228
RGB Percent	95%, 93%, 89%
CMY	0.0507, 0.0746, 0.1058
CMYK	0.00, 0.03, 0.06, 0.05
HSL	34°, 35%, 92%
HSV	34°, 6%, 95%
XYZ	80.6358, 84.4696, 85.4719
YIQ	236.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

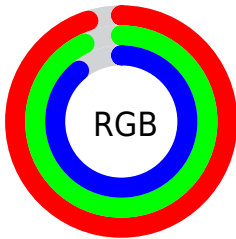
Format	Color
R_{YB}	239, 242, 228
Decimal	15920356
CIE Lab	93.65, 0.69, 4.56
CIE LCh	94, 4.615, 81.455
Yxy	84.4696, 0.3218, 0.3371
Android (android.graphics.Color)	4294110436 (0xFF F2 ECE4)
YUV	236.8820, -4.3788, 4.4885
Hunter-Lab	91.9073, -4.2292, 9.1967

Details

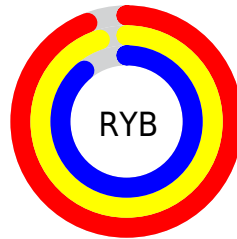
The Yxy color **84.4696, 0.3218, 0.3371** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.8197, 0.3038, 0.3208**, and the grayscale version is **84.6329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0987, 0.3236, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **77.3606, 0.3391, 0.3517**, and if you desaturate by 10%, it is **92.1287, 0.3065, 0.3233**.

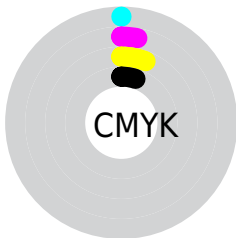
Distribution



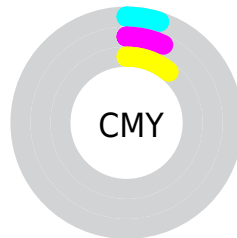
- Red (95%)
- Green (93%)
- Blue (89%)



- Red (94%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (5%)





- Cyan (5%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4696, 0.3218, 0.3371 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 84.4696, 0.3218, 0.3371 by changing the saturation by 10% instead.


 84.4696, 0.3218,
0.3371

 84.4696, 0.3218,
0.3371


509.8714, 0.3177,
0.3335

 63.4032, 0.3227,
0.3379

139.6319, 0.3204,
0.3359

 46.1675, 0.3238,
0.3389

174.4966, 0.3198,
0.3354

 32.3780, 0.3252,
0.3401


214.7295, 0.3194,
0.3349

 21.6504, 0.3270,
0.3417

260.7151, 0.3190,
0.3346

 13.6002, 0.3294,
0.3438

312.8376, 0.3186,
0.3342

 7.8432, 0.3328,
0.3468

371.4816, 0.3183,

 3.9948, 0.3379,

0.3340

0.3513

437.0314, 0.3180,
0.3337

■ 1.6706, 0.3464,
0.3586

■ 0.4045, 0.4328,
0.4363

■ 84.4696, 0.3218,
0.3371

■ 84.4696, 0.3218,
0.3371

■ 77.3606, 0.3391,
0.3517

■ 92.1287, 0.3065,
0.3233

■ 70.7767, 0.3584,
0.3669

■ 97.6285, 0.3048,
0.3290

■ 64.7072, 0.3798,
0.3822

■ 59.1368, 0.4031,
0.3969

■ 54.0490, 0.4276,
0.4102

■ 49.4265, 0.4525,
0.4208

■ 45.2498, 0.4766,
0.4275

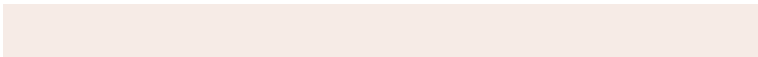
■ 41.4977, 0.4983,
0.4292

■ 38.1449, 0.5165,
0.4254

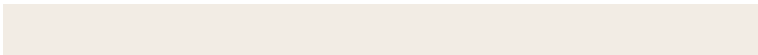
Harmonies

Analogous

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



84.4696, 0.3231, 0.3338



84.4696, 0.3218, 0.3371



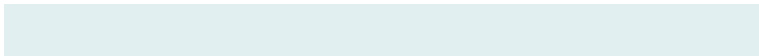
84.4696, 0.3180, 0.3382

Triad

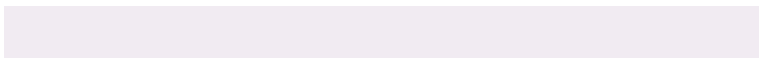
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4696, 0.3218, 0.3371



84.4696, 0.3039, 0.3286



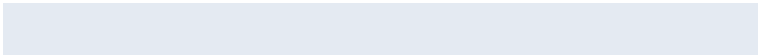
84.4696, 0.3125, 0.3214

Complementary

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



84.4696, 0.3218, 0.3371



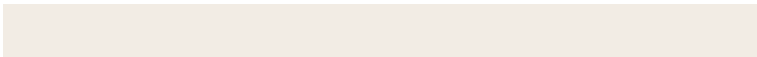
81.8197, 0.3038, 0.3208

Split Complementary

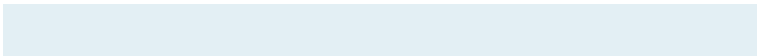
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4696, 0.3074, 0.3200



84.4696, 0.3218, 0.3371



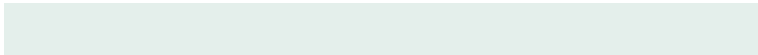
84.4696, 0.3024, 0.3241

Square

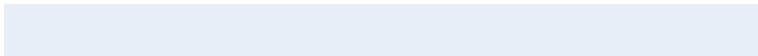
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



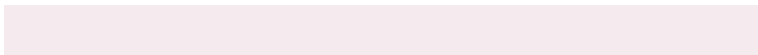
84.4696, 0.3218, 0.3371



84.4696, 0.3077, 0.3333



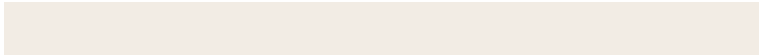
84.4696, 0.3037, 0.3209



84.4696, 0.3177, 0.3248

Rectangle

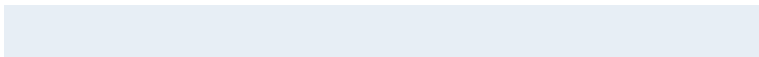
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



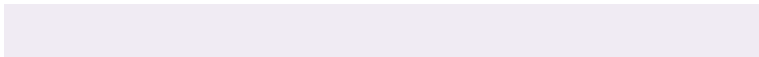
84.4696, 0.3218, 0.3371



84.4696, 0.3147, 0.3376



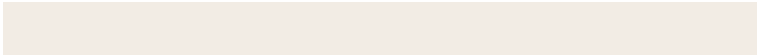
84.4696, 0.3037, 0.3209



84.4696, 0.3107, 0.3206

Sweetspot

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



84.4733, 0.3218, 0.3371



98.2745, 0.3158, 0.3318



80.3373, 0.3185, 0.3228



21.0530, 0.3156, 0.3316



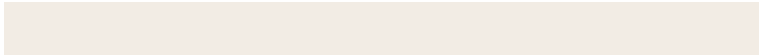
0.0000, 0.0000, 0.0000



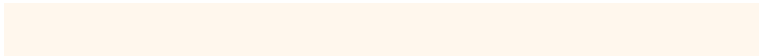
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4733, 0.3218, 0.3371



94.0691, 0.3238, 0.3388



87.8684, 0.3207, 0.3432



17.5349, 0.3247, 0.3396



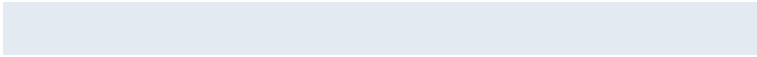
20.0572, 0.5211, 0.4244



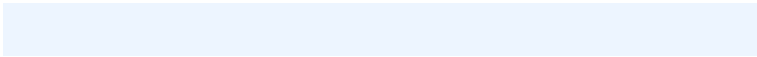
1.8660, 0.5041, 0.4380

Inverse Universe

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



81.8197, 0.3038, 0.3208



90.4834, 0.3019, 0.3190



78.5686, 0.3045, 0.3144



16.8127, 0.3010, 0.3181



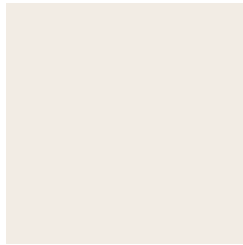
9.1116, 0.1712, 0.1363



0.9522, 0.1783, 0.1618

Previews

White Background



This preview shows how the Yxy color 84.4696, 0.3218, 0.3371 looks on a white background.

Color Contrast Check

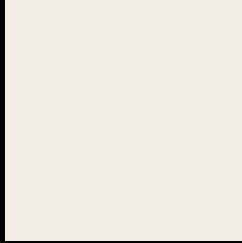
Large Text (above 18pt) WCAG AA × Fail

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 84.4696, 0.3218, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

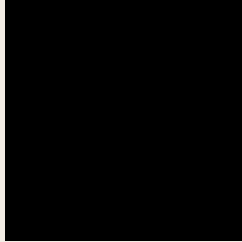
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

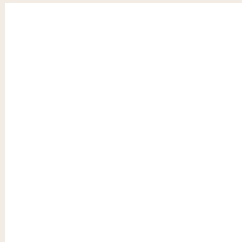
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4696, 0.3218, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 84.4696, 0.3218, 0.3371.

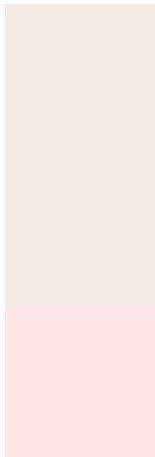


This preview shows how white text looks on a background with the Yxy color 84.4696, 0.3218, 0.3371.

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

84.4696, 0.3218, 0.3371

Protanopia

84.6470, 0.3225, 0.3371

Deuteranopia

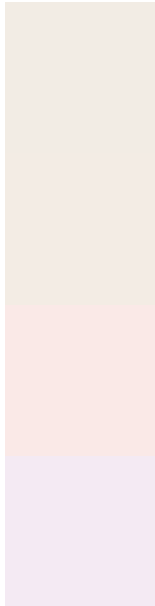
84.2380, 0.3286, 0.3281



Tritanopia

84.6553, 0.3096, 0.3112

Trichromacy



Original Color

84.4696, 0.3218, 0.3371

Protanomaly

84.6470, 0.3225, 0.3371

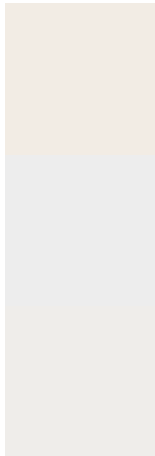
Deuteranomaly

84.3713, 0.3256, 0.3310

Tritanomaly

84.5498, 0.3138, 0.3200

Monochromacy



Original Color

84.4696, 0.3218, 0.3371

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.8596, 0.3159, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4696, 0.3218, 0.3371 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, 236, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 228)  
}
```

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, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 228) }
```

Border

The CSS property to change the border of an element to Yxy 84.4696, 0.3218, 0.3371 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, 236, 228) }
```

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

```
.border{ border-color:rgb(242, 236, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4696, 0.3218, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 236, 228) }
```

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

```
.background{ background-color: rgb(242,  
236, 228) }
```

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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