

Converting Colors

$Yxy(84.6558, 0.3161, 0.3341)$

Have a look what the booklet for
Yxy(84.6558, 0.3161, 0.3341)
contains.

Yxy(84.5717, 0.3165, 0.3341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.5717, 0.3165, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	EEEDE8
RGB	238, 237, 232
RGB Percent	93%, 93%, 91%
CMY	0.0665, 0.0706, 0.0902
CMYK	0.00, 0.00, 0.03, 0.07
HSL	50°, 15%, 92%
HSV	50°, 3%, 93%
XYZ	80.1166, 84.5717, 88.4446
YIQ	236.7290, 2.2010, -1.3430

Conversions

Conversions Part 2

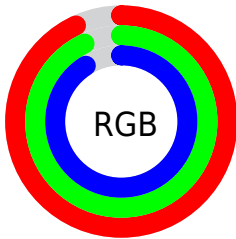
Format	Color
R _Y B	233, 238, 232
Decimal	15658472
CIE Lab	93.70, -0.52, 2.53
CIE LCh	94, 2.579, 101.695
Yxy	84.5717, 0.3165, 0.3341
Android (android.graphics.Color)	4293848552 (0xFFEEEEDE8)
YUV	236.7290, -2.3314, 1.1147
Hunter-Lab	91.9629, -5.4287, 7.3523

Details

The Yxy color **84.5717, 0.3165, 0.3341** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.6275, 0.3089, 0.3238**, and the grayscale version is **84.4911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1274, 0.3176, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **80.9789, 0.3321, 0.3548**, and if you desaturate by 10%, it is **88.3568, 0.3025, 0.3152**.

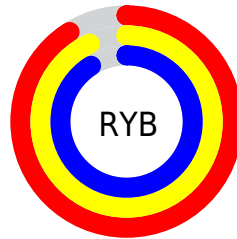
Distribution



Red (93%)

Green (93%)

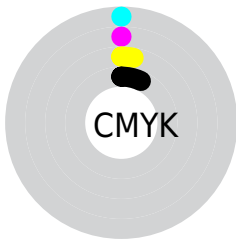
Blue (91%)



Red (91%)

Yellow (93%)

Blue (91%)

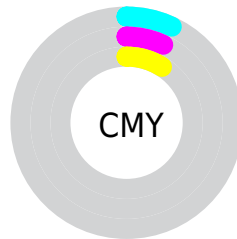


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5717, 0.3165, 0.3341 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 84.5717, 0.3165, 0.3341 by changing the saturation by 10% instead.

■ 84.5717, 0.3165,
0.3341

■ 84.5717, 0.3165,
0.3341

510.2098, 0.3148,
0.3318

■ 63.4875, 0.3169,
0.3346

139.7746, 0.3159,
0.3333

■ 46.2357, 0.3173,
0.3352

174.6622, 0.3157,
0.3330

■ 32.4319, 0.3179,
0.3360

214.9197, 0.3155,
0.3327

■ 21.6916, 0.3187,
0.3370

260.9315, 0.3153,
0.3325

■ 13.6305, 0.3197,
0.3384

313.0820, 0.3152,
0.3323

■ 7.8641, 0.3210,
0.3403

371.7556, 0.3150,

■ 4.0081, 0.3231,

0.3321

0.3431

437.3367, 0.3149,
0.3320

■ 1.6781, 0.3266,
0.3479

■ 0.4094, 0.3567,
0.3881

■ 84.5717, 0.3165,
0.3341

■ 84.5717, 0.3165,
0.3341

■ 80.9789, 0.3321,
0.3548

■ 88.3568, 0.3025,
0.3152

■ 77.6117, 0.3487,
0.3762

■ 90.7986, 0.3024,
0.3192

■ 74.4655, 0.3659,
0.3976

■ 93.2947, 0.3024,
0.3233

■ 71.5316, 0.3833,
0.4183

■ 95.8455, 0.3024,
0.3273

68.8006, 0.4002,
0.4373

96.9223, 0.3024,
0.3290

66.2621, 0.4159,
0.4535

63.9044, 0.4296,
0.4661

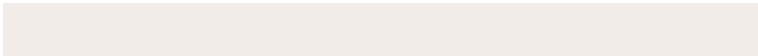
61.7142, 0.4409,
0.4743

59.6754, 0.4492,
0.4778

Harmonies

Analogous

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



84.5717, 0.3182, 0.3331



84.5717, 0.3165, 0.3341



84.5717, 0.3138, 0.3338

Triad

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



84.5717, 0.3165, 0.3341



84.5717, 0.3071, 0.3271



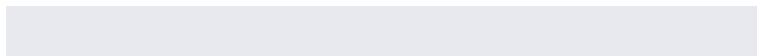
84.5717, 0.3146, 0.3259

Complementary

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



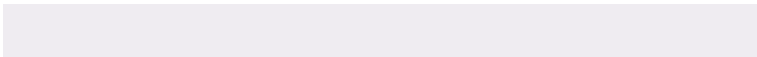
84.5717, 0.3165, 0.3341



81.6275, 0.3089, 0.3238

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.



84.5717, 0.3116, 0.3243



84.5717, 0.3165, 0.3341



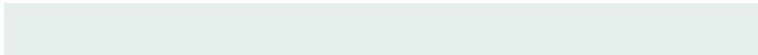
84.5717, 0.3073, 0.3250

Square

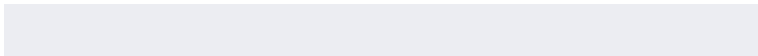
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



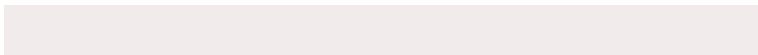
84.5717, 0.3165, 0.3341



84.5717, 0.3084, 0.3297



84.5717, 0.3090, 0.3240



84.5717, 0.3171, 0.3283

Rectangle

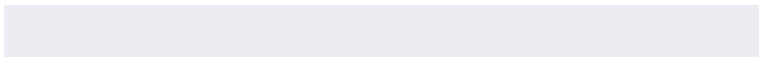
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



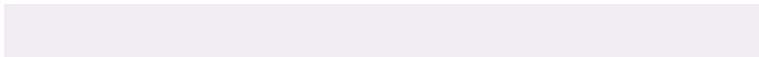
84.5717, 0.3165, 0.3341



84.5717, 0.3118, 0.3328



84.5717, 0.3090, 0.3240



84.5717, 0.3136, 0.3253

Sweetspot

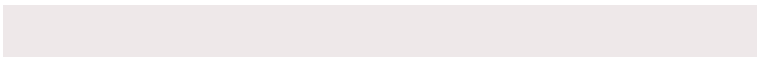
The Sweet Spot groups the original color and five complimentary colors.



84.5754, 0.3165, 0.3341



99.5585, 0.3142, 0.3310



81.7852, 0.3161, 0.3279



21.3143, 0.3141, 0.3309



0.0000, 0.0000, 0.0000



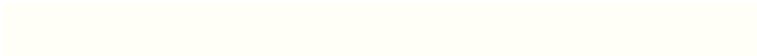
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5754, 0.3165, 0.3341



98.6839, 0.3172, 0.3351



84.8463, 0.3152, 0.3352



18.4220, 0.3184, 0.3367



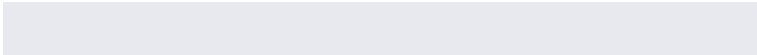
32.6474, 0.4532, 0.4784



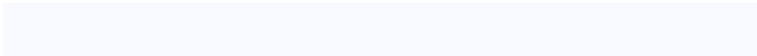
2.8362, 0.4479, 0.4825

Inverse Universe

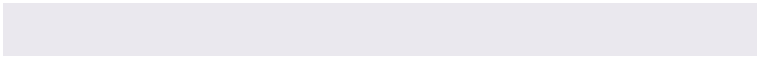
The Inverse Universe completely reimagines the original color for something new.



81.6275, 0.3089, 0.3238



94.5994, 0.3082, 0.3229



81.3657, 0.3102, 0.3228



17.4635, 0.3070, 0.3212



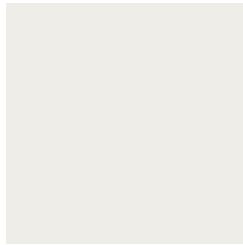
4.4474, 0.1543, 0.0753



0.4951, 0.1602, 0.0967

Previews

White Background



This preview shows how the Yxy color 84.5717, 0.3165, 0.3341 looks on a white background.

Color Contrast Check

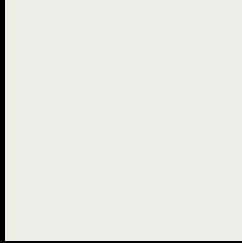
Large Text (above 18pt) WCAG AA × Fail

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 84.5717, 0.3165, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

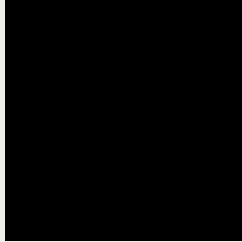
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

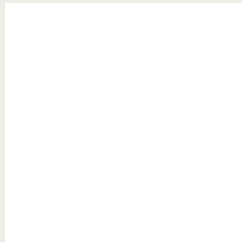
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5717, 0.3165, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 84.5717, 0.3165, 0.3341.

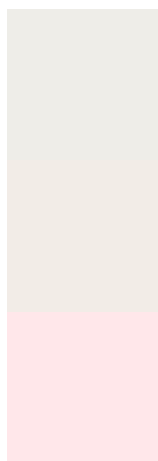


This preview shows how white text looks on a background with the Yxy color 84.5717, 0.3165, 0.3341.

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

84.5717, 0.3165, 0.3341

Protanopia

84.6377, 0.3199, 0.3341

Deuteranopia

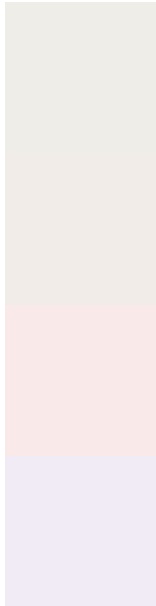
84.3523, 0.3273, 0.3261



Tritanopia

84.5747, 0.3063, 0.3111

Trichromacy



Original Color

84.5717, 0.3165, 0.3341

Protanomaly

84.4612, 0.3192, 0.3341

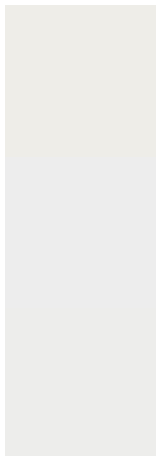
Deuteranomaly

84.3008, 0.3236, 0.3290

Tritanomaly

84.5345, 0.3099, 0.3190

Monochromacy



Original Color

84.5717, 0.3165, 0.3341

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5711, 0.3139, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5717, 0.3165, 0.3341 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(238, 237, 232) looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 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(238, 237, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 232) }
```

Border

The CSS property to change the border of an element to Yxy 84.5717, 0.3165, 0.3341 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(238, 237, 232) }
```

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

```
.border{ border-color:rgb(238, 237, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 232);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5717, 0.3165, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 232) }
```

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

```
.background{ background-color: rgb(238,  
237, 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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