

Converting Colors

$Y_{xy}(85.6278, 0.3216, 0.3392)$

Have a look what the booklet for
Yxy(85.6278, 0.3216, 0.3392)
contains.

Yxy(85.6278, 0.3216, 0.3392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.6278, 0.3216, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	F2EEE4
RGB	242, 238, 228
RGB Percent	95%, 93%, 89%
CMY	0.0511, 0.0666, 0.1060
CMYK	0.00, 0.02, 0.06, 0.05
HSL	43°, 35%, 92%
HSV	43°, 6%, 95%
XYZ	81.1848, 85.6278, 85.6278
YIQ	238.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

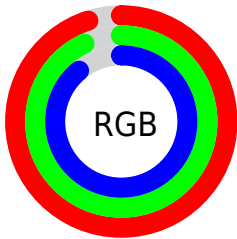
Format	Color
R_YB	234, 242, 228
Decimal	15920868
CIE Lab	94.15, -0.39, 5.31
CIE LCh	94, 5.326, 94.229
Yxy	85.6278, 0.3216, 0.3392
Android (android.graphics.Color)	4294110948 (0xFF2EEE4)
YUV	238.0560, -4.9576, 3.4589
Hunter-Lab	92.5353, -5.3317, 9.9105

Details

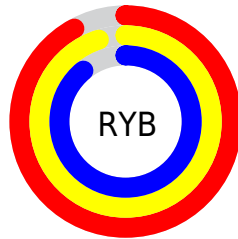
The Yxy color $85.6278, 0.3216, 0.3392$ is a light color, and the websafe version is hex FFFFFF. A complement of this color would be $80.5698, 0.3039, 0.3186$, and the grayscale version is $85.5796, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.9121, 0.3234, 0.3407$ is the 20% darker color. If you saturate the color by 10%, you get $80.4776, 0.3381, 0.3575$, and if you desaturate by 10%, it is $91.1245, 0.3066, 0.3218$.

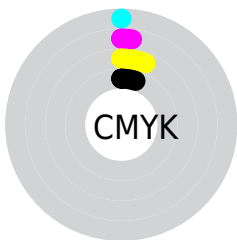
Distribution



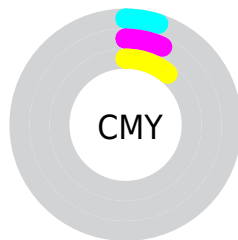
- Red (95%)
- Green (93%)
- Blue (89%)



- Red (92%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (5%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6278, 0.3216, 0.3392 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 85.6278, 0.3216, 0.3392 by changing the saturation by 10% instead.

 85.6278, 0.3216,
0.3392

 85.6278, 0.3216,
0.3392

513.7031, 0.3176,
0.3346

 64.3602, 0.3225,
0.3402


141.2500, 0.3202,
0.3376

 46.9425, 0.3236,
0.3415


176.3734, 0.3197,
0.3370

 32.9902, 0.3249,
0.3430


216.8842, 0.3192,
0.3365

 22.1189, 0.3267,
0.3450

263.1668, 0.3188,
0.3360

 13.9443, 0.3290,
0.3477

315.6056, 0.3185,
0.3356

 8.0820, 0.3322,
0.3514

374.5850, 0.3182,

 4.1474, 0.3370,

0.3352

440.4894, 0.3179,
0.3349

0.3570

■ 1.7564, 0.3450,
0.3663

■ 0.4598, 0.4205,
0.4523

■ 85.6278, 0.3216,
0.3392

■ 85.6278, 0.3216,
0.3392

■ 80.4776, 0.3381,
0.3575

■ 91.1245, 0.3066,
0.3218

■ 75.6532, 0.3560,
0.3764

■ 95.5117, 0.3048,
0.3257

■ 71.1485, 0.3750,
0.3953

■ 97.6118, 0.3047,
0.3290

■ 66.9527, 0.3947,
0.4133

■ 63.0543, 0.4145,
0.4297

■ 59.4408, 0.4334,
0.4432

■ 56.0981, 0.4507,
0.4527

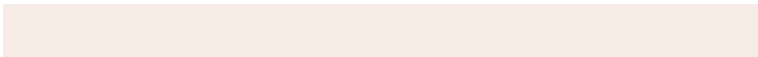
■ 53.0101, 0.4653,
0.4575

■ 50.1574, 0.4768,
0.4573

Harmonies

Analogous

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



85.6278, 0.3244, 0.3364



85.6278, 0.3216, 0.3392



85.6278, 0.3164, 0.3393

Triad

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



85.6278, 0.3216, 0.3392



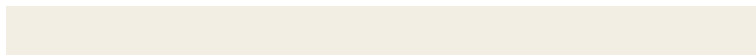
85.6278, 0.3015, 0.3262



85.6278, 0.3151, 0.3217

Complementary

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



85.6278, 0.3216, 0.3392



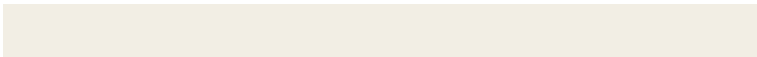
80.5698, 0.3039, 0.3186

Split Complementary

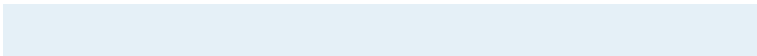
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6278, 0.3090, 0.3190



85.6278, 0.3216, 0.3392



85.6278, 0.3012, 0.3215

Square

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



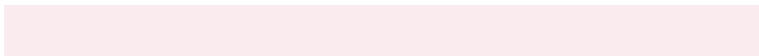
85.6278, 0.3216, 0.3392



85.6278, 0.3048, 0.3317



85.6278, 0.3039, 0.3189



85.6278, 0.3206, 0.3263

Rectangle

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



85.6278, 0.3216, 0.3392



85.6278, 0.3123, 0.3377



85.6278, 0.3039, 0.3189



85.6278, 0.3130, 0.3205

Sweetspot

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



85.6315, 0.3216, 0.3392



98.7607, 0.3157, 0.3325



80.1672, 0.3198, 0.3250



21.1519, 0.3156, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

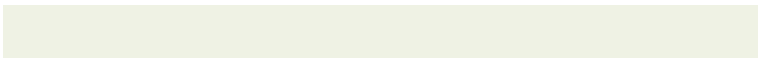
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6315, 0.3216, 0.3392



95.7301, 0.3236, 0.3414



87.4256, 0.3193, 0.3432



17.8699, 0.3245, 0.3424



26.5811, 0.4798, 0.4572



2.3790, 0.4700, 0.4650

Inverse Universe

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



80.5698, 0.3039, 0.3186



88.8672, 0.3019, 0.3163



78.8717, 0.3059, 0.3145



16.4875, 0.3010, 0.3152



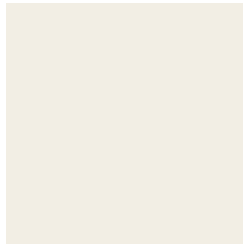
5.8848, 0.1599, 0.0957



0.6523, 0.1670, 0.1211

Previews

White Background



This preview shows how the Yxy color 85.6278, 0.3216, 0.3392 looks on a white background.

Color Contrast Check

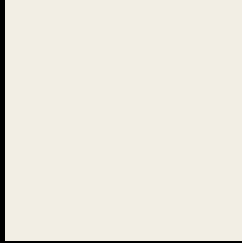
Large Text (above 18pt) WCAG AA × Fail

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 85.6278, 0.3216, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

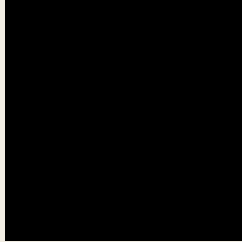
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

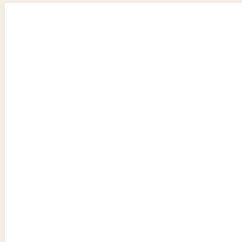
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6278, 0.3216, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 85.6278, 0.3216, 0.3392.

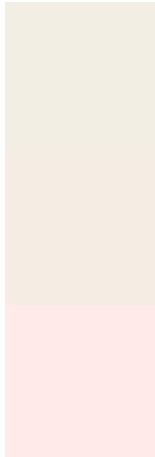


This preview shows how white text looks on a background with the Yxy color 85.6278, 0.3216, 0.3392.

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

85.6278, 0.3216, 0.3392

Protanopia

85.5269, 0.3244, 0.3391

Deuteranopia

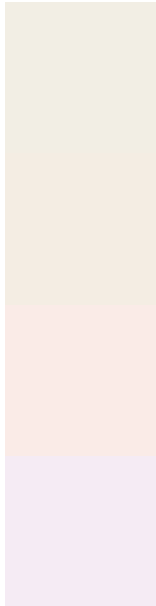
85.4210, 0.3278, 0.3290



Tritanopia

85.5303, 0.3090, 0.3103

Trichromacy



Original Color

85.6278, 0.3216, 0.3392

Protanomaly

85.3475, 0.3237, 0.3391

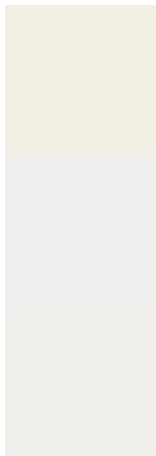
Deuteranomaly

85.5102, 0.3254, 0.3330

Tritanomaly

85.3608, 0.3138, 0.3201

Monochromacy



Original Color

85.6278, 0.3216, 0.3392

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4403, 0.3158, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6278, 0.3216, 0.3392 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, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 238, 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, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 238, 228) }
```

Border

The CSS property to change the border of an element to Yxy 85.6278, 0.3216, 0.3392 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, 238, 228) }
```

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

```
.border{ border-color:rgb(242, 238, 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, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 238,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6278, 0.3216, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 238, 228) }
```

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

```
.background{ background-color: rgb(242,  
238, 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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