

Converting Colors

Yxy(83.9692, 0.3193, 0.3445)

Have a look what the booklet for
Yxy(83.9692, 0.3193, 0.3445)
contains.

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Color

Yxy(83.9692, 0.3193, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	EAEEDF
RGB	234, 238, 223
RGB Percent	92%, 93%, 87%
CMY	0.0824, 0.0666, 0.1253
CMYK	0.02, 0.00, 0.06, 0.07
HSL	76°, 31%, 90%
HSV	76°, 6%, 93%
XYZ	77.8269, 83.9692, 81.9461
YIQ	235.0940, 2.4310, -5.5130

Conversions

Conversions Part 2

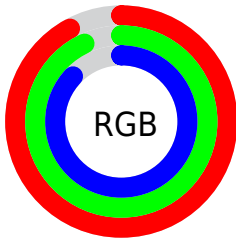
Format	Color
R _Y B	223, 238, 227
Decimal	15396575
CIE Lab	93.44, -3.94, 6.76
CIE LCh	93, 7.827, 120.228
Yxy	83.9692, 0.3193, 0.3445
Android (android.graphics.Color)	4293586655 (0xFFEAEEDF)
YUV	235.0940, -5.9623, -0.9594
Hunter-Lab	91.6347, -8.7577, 11.1230

Details

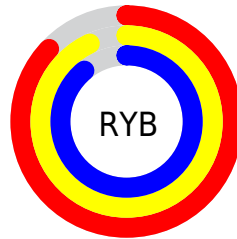
The Yxy color **83.9692, 0.3193, 0.3445** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.3114, 0.3059, 0.3133**, and the grayscale version is **83.2008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7480, 0.3204, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **81.7158, 0.3299, 0.3704**, and if you desaturate by 10%, it is **86.4493, 0.3089, 0.3202**.

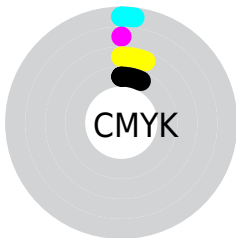
Distribution



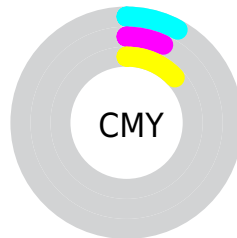
- Red (92%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)





- Cyan (8%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9692, 0.3193, 0.3445 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 83.9692, 0.3193, 0.3445 by changing the saturation by 10% instead.


 83.9692, 0.3193,
0.3445

 83.9692, 0.3193,
0.3445


508.2110, 0.3164,
0.3375

 62.9900, 0.3200,
0.3461


138.9321, 0.3183,
0.3421

 45.8331, 0.3207,
0.3480


173.6846, 0.3179,
0.3411

 32.1142, 0.3217,
0.3505


213.7970, 0.3176,
0.3403

 21.4487, 0.3230,
0.3536

259.6536, 0.3173,
0.3396

 13.4524, 0.3247,
0.3578

311.6389, 0.3170,
0.3390

 7.7408, 0.3270,
0.3638

370.1374, 0.3168,

 3.9295, 0.3304,

0.3384

0.3730

435.5332, 0.3165,
0.3379

■ 1.6342, 0.3360,
0.3886

■ 0.3805, 0.4110,
0.5890

■ 83.9692, 0.3193,
0.3445

■ 83.9692, 0.3193,
0.3445

■ 81.7158, 0.3299,
0.3704

■ 86.4493, 0.3089,
0.3202

■ 79.6704, 0.3404,
0.3974

■ 88.1038, 0.3081,
0.3124

■ 77.8281, 0.3504,
0.4248

■ 89.2837, 0.3123,
0.3126

■ 76.1799, 0.3593,
0.4517

■ 89.6323, 0.3135,
0.3127

■ 74.7160, 0.3667,
0.4769

■ 73.4254, 0.3720,
0.4993

■ 72.2959, 0.3749,
0.5177

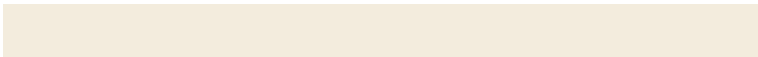
■ 71.3133, 0.3752,
0.5315

■ 70.4598, 0.3730,
0.5404

Harmonies

Analogous

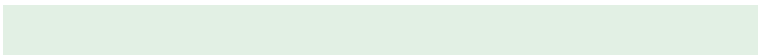
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9692, 0.3267, 0.3437



83.9692, 0.3193, 0.3445



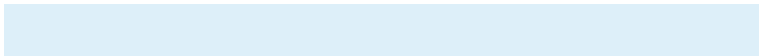
83.9692, 0.3103, 0.3410

Triad

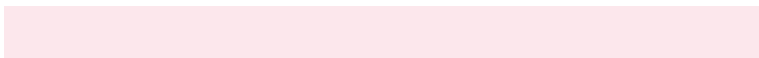
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9692, 0.3193, 0.3445



83.9692, 0.2955, 0.3187



83.9692, 0.3235, 0.3240

Complementary

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



83.9692, 0.3193, 0.3445



75.3114, 0.3059, 0.3133

Split Complementary

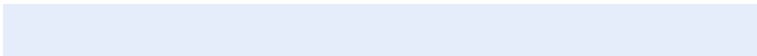
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9692, 0.3150, 0.3175



83.9692, 0.3193, 0.3445



83.9692, 0.2989, 0.3144

Square

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



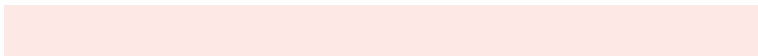
83.9692, 0.3193, 0.3445



83.9692, 0.2966, 0.3259



83.9692, 0.3060, 0.3140



83.9692, 0.3291, 0.3318

Rectangle

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



83.9692, 0.3193, 0.3445



83.9692, 0.3045, 0.3366



83.9692, 0.3060, 0.3140



83.9692, 0.3209, 0.3216

Sweetspot

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



83.9728, 0.3193, 0.3445



99.4172, 0.3148, 0.3339



78.4638, 0.3230, 0.3332



21.2855, 0.3147, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

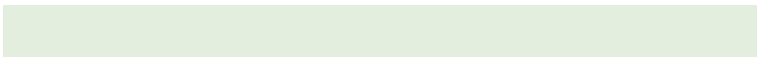
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9728, 0.3193, 0.3445



97.7314, 0.3211, 0.3489



82.7373, 0.3143, 0.3447



18.2333, 0.3227, 0.3526



39.2099, 0.3726, 0.5423



3.3104, 0.3790, 0.5373

Inverse Universe

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



75.3114, 0.3059, 0.3133



84.9463, 0.3039, 0.3087



76.5506, 0.3110, 0.3135



15.4339, 0.3021, 0.3049



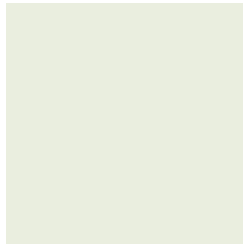
4.1038, 0.1665, 0.0691



0.3885, 0.1798, 0.0764

Previews

White Background



This preview shows how the Yxy color 83.9692, 0.3193, 0.3445 looks on a white background.

Color Contrast Check

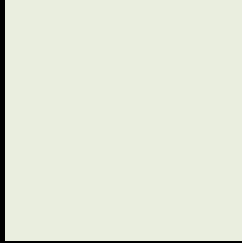
Large Text (above 18pt) WCAG AA × Fail

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 83.9692, 0.3193, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

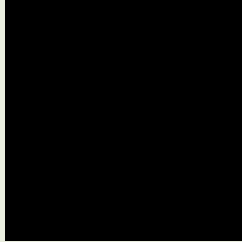
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

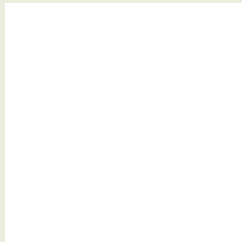
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9692, 0.3193, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 83.9692, 0.3193, 0.3445.

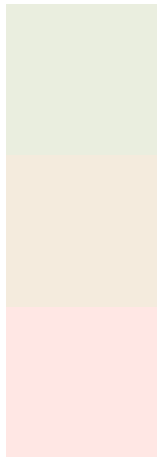


This preview shows how white text looks on a background with the Yxy color 83.9692, 0.3193, 0.3445.

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

83.9692, 0.3193, 0.3445

Protanopia

83.8702, 0.3277, 0.3433

Deuteranopia

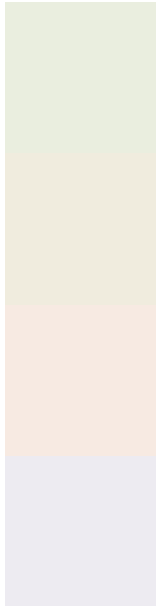
84.0133, 0.3313, 0.3320



Tritanopia

84.0511, 0.3043, 0.3110

Trichromacy



Original Color

83.9692, 0.3193, 0.3445

Protanomaly

83.7901, 0.3242, 0.3434

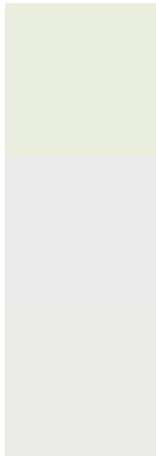
Deuteranomaly

84.1108, 0.3267, 0.3371

Tritanomaly

83.7721, 0.3103, 0.3229

Monochromacy



Original Color

83.9692, 0.3193, 0.3445

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4226, 0.3152, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9692, 0.3193, 0.3445 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(234, 238, 223)` looks like.

```
.text, #text, p{  
    color:rgb(234, 238, 223)  
}
```

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(234, 238, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 238, 223) }
```

Border

The CSS property to change the border of an element to Yxy 83.9692, 0.3193, 0.3445 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(234, 238, 223) }
```

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

```
.border{ border-color:rgb(234, 238, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 238, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 238, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 238, 223);  
box-shadow:4px 4px 4px 4px rgb(234, 238,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9692, 0.3193, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 238, 223) }
```

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

```
.background{ background-color: rgb(234,  
238, 223) }
```

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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