

Converting Colors

$Yxy(83.6922, 0.3228, 0.3446)$

Have a look what the booklet for
Yxy(83.6922, 0.3228, 0.3446)
contains.

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Color

Yxy(84.0194, 0.3228, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	EEEDDE
RGB	238, 237, 222
RGB Percent	93%, 93%, 87%
CMY	0.0664, 0.0707, 0.1293
CMYK	0.00, 0.00, 0.07, 0.07
HSL	56°, 32%, 90%
HSV	56°, 7%, 93%
XYZ	78.7499, 84.0194, 81.1895
YIQ	235.5890, 5.4110, -4.4530

Conversions

Conversions Part 2

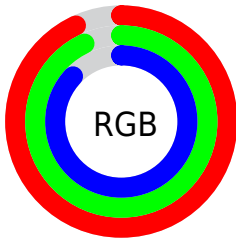
Format	Color
R _Y B	223, 238, 222
Decimal	15658462
CIE Lab	93.46, -2.19, 7.36
CIE LCh	93, 7.681, 106.584
Yxy	84.0194, 0.3228, 0.3444
Android (android.graphics.Color)	4293848542 (0xFFEEEDDE)
YUV	235.5890, -6.6994, 2.1144
Hunter-Lab	91.6621, -7.0535, 11.6475

Details

The Yxy color **84.0194, 0.3228, 0.3444** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5495, 0.3024, 0.3131**, and the grayscale version is **83.6099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7829, 0.3249, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **81.8992, 0.3383, 0.3679**, and if you desaturate by 10%, it is **86.3357, 0.3080, 0.3217**.

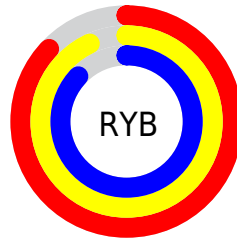
Distribution



Red (93%)

Green (93%)

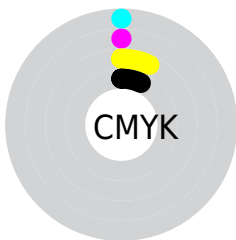
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

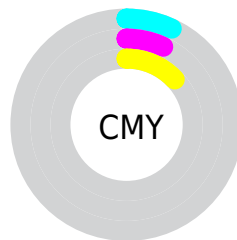


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0194, 0.3228, 0.3444 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 84.0194, 0.3228, 0.3444 by changing the saturation by 10% instead.

84.0194, 0.3228,
0.3444

84.0194, 0.3228,
0.3444

508.3777, 0.3183,
0.3374

63.0315, 0.3238,
0.3460

139.0023, 0.3213,
0.3420

45.8667, 0.3250,
0.3479

173.7661, 0.3206,
0.3411

32.1406, 0.3266,
0.3503

213.8906, 0.3201,
0.3403

21.4689, 0.3285,
0.3534

259.7602, 0.3197,
0.3395

13.4672, 0.3312,
0.3575

311.7593, 0.3192,
0.3389

7.7510, 0.3348,
0.3634

370.2723, 0.3189,

3.9361, 0.3403,

0.3384

0.3722

435.6836, 0.3186,
0.3379

■ 1.6379, 0.3493,
0.3872

■ 0.3829, 0.4477,
0.5523

■ 84.0194, 0.3228,
0.3444

■ 84.0194, 0.3228,
0.3444

■ 81.8992, 0.3383,
0.3679

■ 86.3357, 0.3080,
0.3217

■ 79.9565, 0.3542,
0.3917


■ 87.8652, 0.3025,
0.3143

■ 78.1871, 0.3700,
0.4149


■ 88.8267, 0.3025,
0.3160

■ 76.5821, 0.3851,
0.4367


■ 89.7967, 0.3025,
0.3176

 75.1321, 0.3990,
0.4561


 90.7754, 0.3025,
0.3192

 73.8266, 0.4108,
0.4722


 91.7627, 0.3025,
0.3208

 72.6537, 0.4203,
0.4841

 92.7586, 0.3024,
0.3224

 71.5993, 0.4269,
0.4915

 93.7632, 0.3024,
0.3240

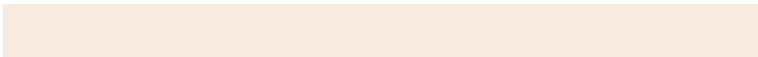
 70.6458, 0.4310,
0.4947

 94.7765, 0.3024,
0.3256

Harmonies

Analogous

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



84.0194, 0.3285, 0.3418



84.0194, 0.3228, 0.3444



84.0194, 0.3144, 0.3428

Triad

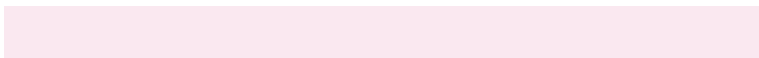
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0194, 0.3228, 0.3444



84.0194, 0.2957, 0.3218



84.0194, 0.3197, 0.3209

Complementary

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



84.0194, 0.3228, 0.3444



74.5495, 0.3024, 0.3131

Split Complementary

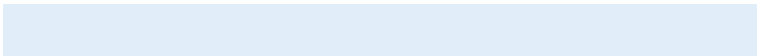
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0194, 0.3109, 0.3157



84.0194, 0.3228, 0.3444



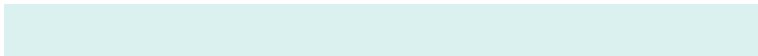
84.0194, 0.2971, 0.3161

Square

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



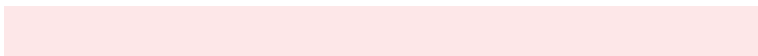
84.0194, 0.3228, 0.3444



84.0194, 0.2988, 0.3296



84.0194, 0.3026, 0.3140



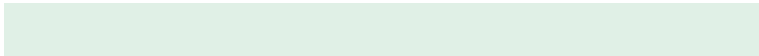
84.0194, 0.3268, 0.3282

Rectangle

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



84.0194, 0.3228, 0.3444



84.0194, 0.3085, 0.3395



84.0194, 0.3026, 0.3140



84.0194, 0.3168, 0.3189

Sweetspot

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



84.0231, 0.3228, 0.3444



99.4541, 0.3157, 0.3335



75.7927, 0.3233, 0.3276



21.2930, 0.3155, 0.3333



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.



84.0231, 0.3228, 0.3444



97.8706, 0.3248, 0.3474



83.5221, 0.3182, 0.3457



18.2636, 0.3270, 0.3508



39.2966, 0.4318, 0.4954



3.3242, 0.4299, 0.4968

Inverse Universe

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



74.5495, 0.3024, 0.3131



84.8000, 0.3003, 0.3099



75.0434, 0.3070, 0.3122



15.4017, 0.2979, 0.3063



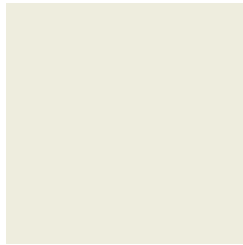
3.7197, 0.1512, 0.0643



0.3696, 0.1542, 0.0752

Previews

White Background



This preview shows how the Yxy color 84.0194, 0.3228, 0.3444 looks on a white background.

Color Contrast Check

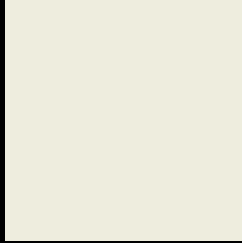
Large Text (above 18pt) WCAG AA × Fail

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 84.0194, 0.3228, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

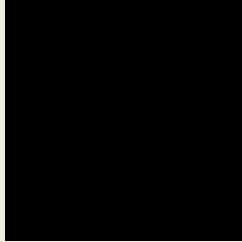
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

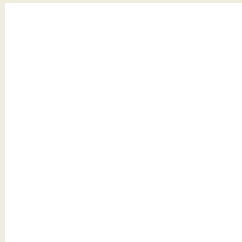
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0194, 0.3228, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 84.0194, 0.3228, 0.3444.

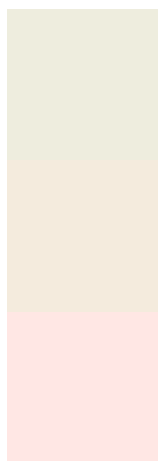


This preview shows how white text looks on a background with the Yxy color 84.0194, 0.3228, 0.3444.

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

84.0194, 0.3228, 0.3444

Protanopia

83.8702, 0.3277, 0.3433

Deuteranopia

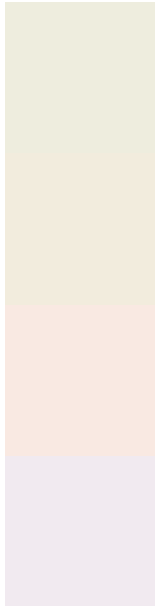
84.0133, 0.3313, 0.3320



Tritanopia

84.1201, 0.3076, 0.3111

Trichromacy



Original Color

84.0194, 0.3228, 0.3444

Protanomaly

84.0886, 0.3262, 0.3444

Deuteranomaly

83.9086, 0.3282, 0.3361

Tritanomaly

83.8377, 0.3137, 0.3230

Monochromacy



Original Color

84.0194, 0.3228, 0.3444

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7650, 0.3165, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0194, 0.3228, 0.3444 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 84.0194, 0.3228, 0.3444 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, 222) }
```

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

```
.border{ border-color:rgb(238, 237, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0194, 0.3228, 0.3444 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, 222) }
```

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

```
.background{ background-color: rgb(238,  
237, 222) }
```

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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