

Converting Colors

$Y_{xy}(100.0000, 0.3693, 0.3489)$

Have a look what the booklet for
Yxy(100.0000, 0.3693, 0.3489)
contains.

Yxy(89.8787, 0.3357, 0.3518)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.8787, 0.3357, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DB
RGB	255, 242, 219
RGB Percent	100%, 95%, 86%
CMY	0.0002, 0.0509, 0.1412
CMYK	0.00, 0.05, 0.14, 0.00
HSL	38°, 100%, 93%
HSV	38°, 14%, 100%
XYZ	85.7654, 89.8787, 79.8382
YIQ	243.2650, 15.1310, -4.3970

Conversions

Conversions Part 2

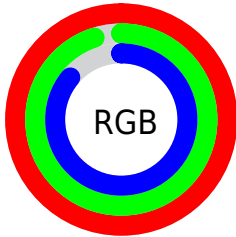
Format	Color
R _Y B	239, 255, 219
Decimal	16773851
CIE Lab	95.95, 0.64, 12.66
CIE LCh	96, 12.678, 87.123
Yxy	89.8787, 0.3357, 0.3518
Android (android.graphics.Color)	4294963931 (0xFFFFF2DB)
YUV	243.2650, -11.9626, 10.2916
Hunter-Lab	94.8044, -4.4264, 16.4328

Details

The Yxy color **89.8787, 0.3357, 0.3518** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.9487, 0.2904, 0.3051**, and the grayscale version is **89.9358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8039, 0.3407, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **83.3174, 0.3541, 0.3688**, and if you desaturate by 10%, it is **96.9274, 0.3190, 0.3355**.

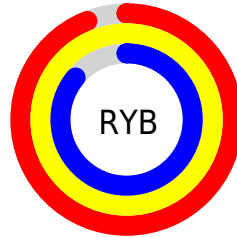
Distribution



Red (100%)

Green (95%)

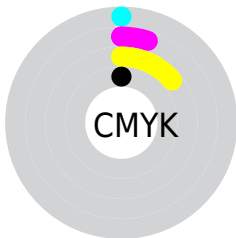
Blue (86%)



Red (94%)

Yellow (100%)

Blue (86%)

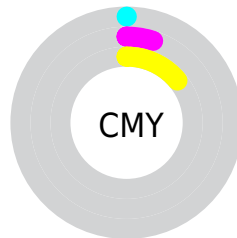


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8787, 0.3357, 0.3518 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 89.8787, 0.3357, 0.3518 by changing the saturation by 10% instead.


 89.8787, 0.3357,
0.3518

 89.8787, 0.3357,
0.3518

527.6362, 0.3255,
0.3417

 67.8800, 0.3380,
0.3540


147.1699, 0.3322,
0.3484

 49.8002, 0.3407,
0.3567


183.2312, 0.3308,
0.3470

 35.2546, 0.3441,
0.3601


224.7489, 0.3296,
0.3458

 23.8591, 0.3484,
0.3644

272.1073, 0.3286,
0.3448

 15.2291, 0.3542,
0.3700

325.6908, 0.3277,
0.3439

 8.9803, 0.3620,
0.3777

385.8839, 0.3269,

 4.7284, 0.3735,

0.3431

0.3888

453.0709, 0.3261,
0.3423

■ 2.0888, 0.3916,
0.4063

■ 0.6583, 0.4934,
0.5066

■ 89.8787, 0.3357,
0.3518

■ 89.8787, 0.3357,
0.3518

■ 83.3174, 0.3541,
0.3688

■ 96.9274, 0.3190,
0.3355

■ 77.2183, 0.3742,
0.3859

99.9920, 0.3127,
0.3290

■ 71.5712, 0.3955,
0.4026

■ 66.3610, 0.4177,
0.4178

■ 61.5715, 0.4397,
0.4304

■ 57.1847, 0.4607,
0.4392

■ 53.1803, 0.4793,
0.4433

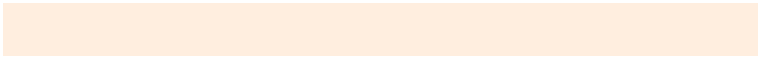
■ 49.5343, 0.4947,
0.4420

■ 47.5356, 0.5024,
0.4393

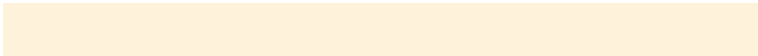
Harmonies

Analogous

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



89.8787, 0.3408, 0.3436



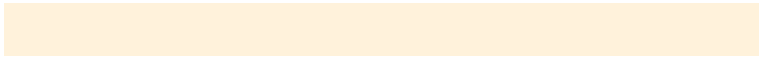
89.8787, 0.3357, 0.3518



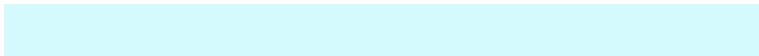
89.8787, 0.3244, 0.3539

Triad

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



89.8787, 0.3357, 0.3518



89.8787, 0.2879, 0.3252



89.8787, 0.3147, 0.3101

Complementary

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



89.8787, 0.3357, 0.3518



79.9487, 0.2904, 0.3051

Split Complementary

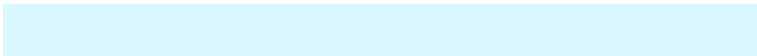
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8787, 0.3007, 0.3052



89.8787, 0.3357, 0.3518



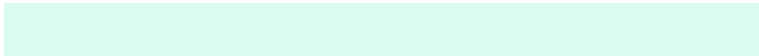
89.8787, 0.2854, 0.3135

Square

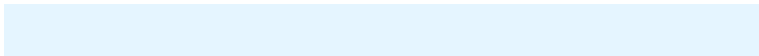
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8787, 0.3357, 0.3518



89.8787, 0.2969, 0.3383



89.8787, 0.2900, 0.3064



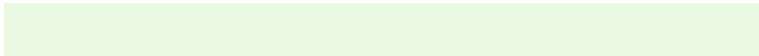
89.8787, 0.3285, 0.3198

Rectangle

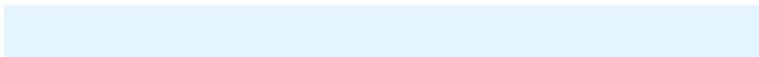
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8787, 0.3357, 0.3518



89.8787, 0.3151, 0.3514



89.8787, 0.2900, 0.3064



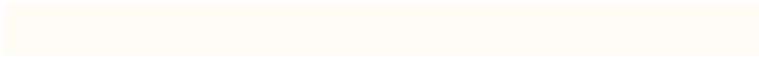
89.8787, 0.3099, 0.3079

Sweetspot

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



89.8827, 0.3357, 0.3518



97.0418, 0.3189, 0.3353



77.7467, 0.3297, 0.3159



20.6537, 0.3201, 0.3365



0.0000, 0.0000, 0.0000



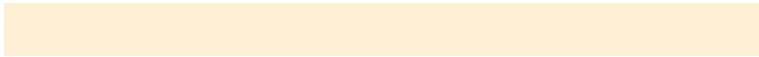
21.4041, 0.3127, 0.3290

Same Dimension

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



89.8827, 0.3357, 0.3518



87.9675, 0.3408, 0.3567



96.9612, 0.3308, 0.3644



19.9271, 0.3278, 0.3442



25.1407, 0.5007, 0.4407



2.6550, 0.4889, 0.4500

Inverse Universe

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



79.9487, 0.2904, 0.3051



76.2362, 0.2856, 0.2997



73.6888, 0.2931, 0.2917



18.4471, 0.2979, 0.3133



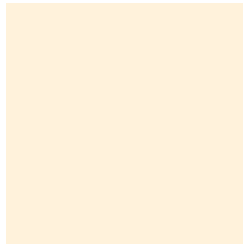
8.0033, 0.1651, 0.1145



0.9774, 0.1714, 0.1369

Previews

White Background



This preview shows how the Yxy color 89.8787, 0.3357, 0.3518 looks on a white background.

Color Contrast Check

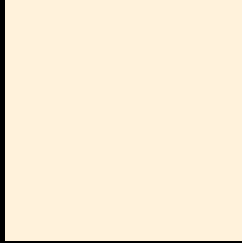
Large Text (above 18pt) WCAG AA × Fail

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 89.8787, 0.3357, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

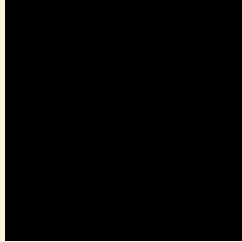
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.8787, 0.3357, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 89.8787, 0.3357, 0.3518.



This preview shows how white text looks on a background with the Yxy color 89.8787, 0.3357, 0.3518.

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

89.8787, 0.3357, 0.3518

Protanopia

90.0983, 0.3342, 0.3528

Deuteranopia

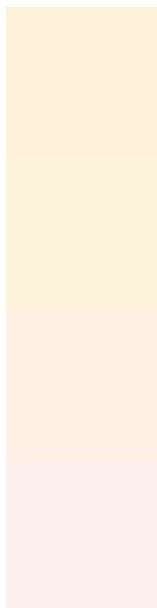
89.6363, 0.3252, 0.3329



Tritanopia

90.0213, 0.3153, 0.3165

Trichromacy



Original Color

89.8787, 0.3357, 0.3518

Protanomaly

90.2865, 0.3349, 0.3528

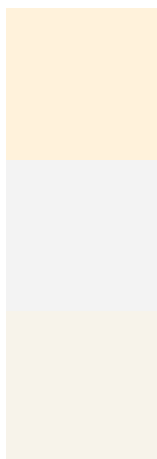
Deuteranomaly

89.8838, 0.3289, 0.3398

Tritanomaly

89.8714, 0.3226, 0.3290

Monochromacy



Original Color

89.8787, 0.3357, 0.3518

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8159, 0.3208, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8787, 0.3357, 0.3518 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(255, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 219)  
}
```

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(255, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 219) }
```

Border

The CSS property to change the border of an element to Yxy 89.8787, 0.3357, 0.3518 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(255, 242, 219) }
```

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

```
.border{ border-color:rgb(255, 242, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8787, 0.3357, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 219) }
```

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

```
.background{ background-color: rgb(255,  
242, 219) }
```

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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