

Converting Colors

$Yxy(89.1576, 0.3356, 0.3550)$

Have a look what the booklet for
Yxy(89.1576, 0.3356, 0.3550)
contains.

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Color

Yxy(89.1576, 0.3356, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	FCF2D8
RGB	252, 242, 216
RGB Percent	99%, 95%, 85%
CMY	0.0118, 0.0509, 0.1531
CMYK	0.00, 0.04, 0.14, 0.01
HSL	43°, 86%, 92%
HSV	43°, 14%, 99%
XYZ	84.2853, 89.1576, 77.7052
YIQ	242.0260, 14.3060, -5.9660

Conversions

Conversions Part 2

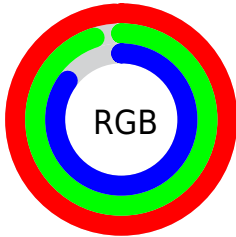
Format	Color
R _Y B	230, 252, 216
Decimal	16577240
CIE Lab	95.65, -0.87, 13.77
CIE LCh	96, 13.792, 93.597
Yxy	89.1576, 0.3356, 0.3550
Android (android.graphics.Color)	4294767320 (0xFFFCF2D8)
YUV	242.0260, -12.8308, 8.7472
Hunter-Lab	94.4233, -5.9058, 17.3039

Details

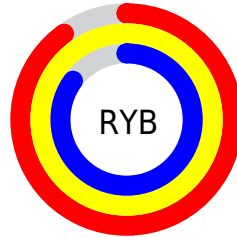
The Yxy color $89.1576, 0.3356, 0.3550$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $75.9820, 0.2900, 0.3016$, and the grayscale version is $88.9096, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $49.2931, 0.3405, 0.3609$ is the 20% darker color. If you saturate the color by 10%, you get $83.8803, 0.3533, 0.3740$, and if you desaturate by 10%, it is $94.8012, 0.3193, 0.3366$.

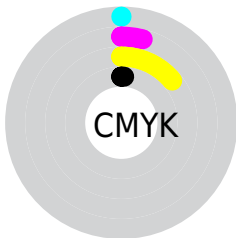
Distribution



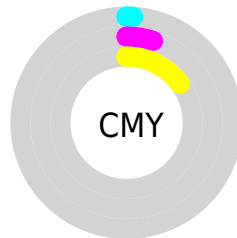
- Red (99%)
- Green (95%)
- Blue (85%)



- Red (90%)
- Yellow (99%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (1%)





- Cyan (1%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1576, 0.3356, 0.3550 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 89.1576, 0.3356, 0.3550 by changing the saturation by 10% instead.


 89.1576, 0.3356,
0.3550

 89.1576, 0.3356,
0.3550


525.2867, 0.3254,
0.3434

 67.2822, 0.3378,
0.3576


146.1677, 0.3321,
0.3510

 49.3140, 0.3406,
0.3607

182.0712, 0.3308,
0.3495

 34.8686, 0.3439,
0.3646


223.4195, 0.3296,
0.3481

 23.5617, 0.3483,
0.3695

270.5969, 0.3285,
0.3469

 15.0088, 0.3539,
0.3760

323.9880, 0.3276,
0.3459

 8.8256, 0.3617,
0.3850

383.9771, 0.3268,

 4.6276, 0.3730,

0.3450

0.3981

450.9485, 0.3261,
0.3441

■ 2.0305, 0.3906,
0.4189

■ 0.6251, 0.4783,
0.5217

■ 89.1576, 0.3356,
0.3550

■ 89.1576, 0.3356,
0.3550

■ 83.8803, 0.3533,
0.3740

■ 94.8012, 0.3193,
0.3366

■ 78.9468, 0.3721,
0.3931

■ 99.4341, 0.3109,
0.3290

■ 74.3493, 0.3917,
0.4115

■ 70.0754, 0.4114,
0.4282

■ 66.1116, 0.4304,
0.4423

■ 62.4428, 0.4477,
0.4526

■ 59.0515, 0.4625,
0.4581

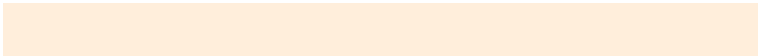
■ 55.9171, 0.4743,
0.4587

■ 54.2288, 0.4798,
0.4572

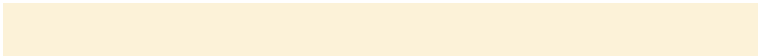
Harmonies

Analogous

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



89.1576, 0.3428, 0.3473



89.1576, 0.3356, 0.3550



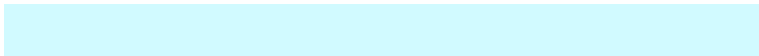
89.1576, 0.3223, 0.3557

Triad

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



89.1576, 0.3356, 0.3550



89.1576, 0.2845, 0.3218



89.1576, 0.3183, 0.3104

Complementary

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



89.1576, 0.3356, 0.3550



75.9820, 0.2900, 0.3016

Split Complementary

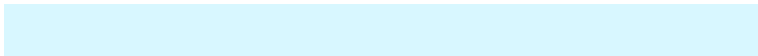
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1576, 0.3027, 0.3038



89.1576, 0.3356, 0.3550



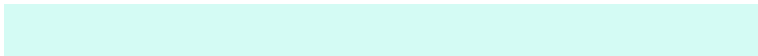
89.1576, 0.2834, 0.3099

Square

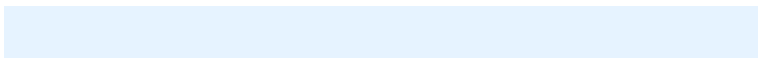
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1576, 0.3356, 0.3550



89.1576, 0.2929, 0.3362



89.1576, 0.2900, 0.3035



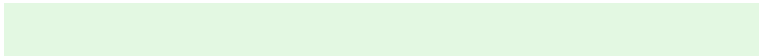
89.1576, 0.3328, 0.3217

Rectangle

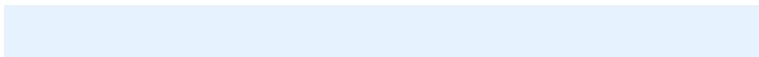
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1576, 0.3356, 0.3550



89.1576, 0.3118, 0.3519



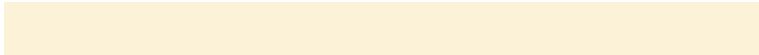
89.1576, 0.2900, 0.3035



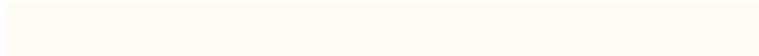
89.1576, 0.3130, 0.3076

Sweetspot

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



89.1615, 0.3356, 0.3550



97.5709, 0.3188, 0.3361



75.2865, 0.3321, 0.3187



20.7879, 0.3200, 0.3374



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

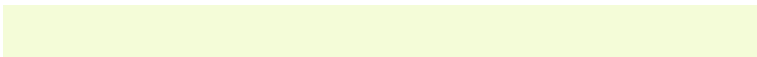
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1615, 0.3356, 0.3550



90.0924, 0.3403, 0.3601



93.8385, 0.3291, 0.3651



19.3301, 0.3276, 0.3461



28.5105, 0.4786, 0.4582



2.8184, 0.4698, 0.4651

Inverse Universe

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



75.9820, 0.2900, 0.3016



74.2926, 0.2854, 0.2958



71.9301, 0.2949, 0.2914



17.4255, 0.2979, 0.3113



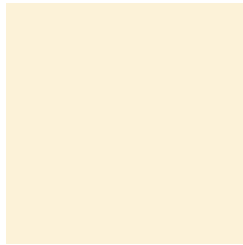
6.1412, 0.1595, 0.0943



0.7385, 0.1658, 0.1169

Previews

White Background



This preview shows how the Yxy color 89.1576, 0.3356, 0.3550 looks on a white background.

Color Contrast Check

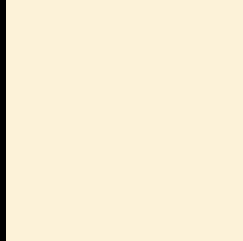
Large Text (above 18pt) WCAG AA × Fail

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 89.1576, 0.3356, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

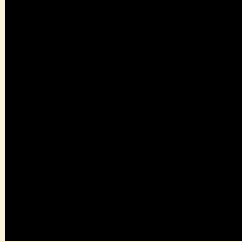
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

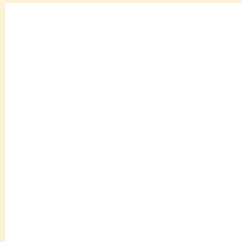
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1576, 0.3356, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 89.1576, 0.3356, 0.3550.

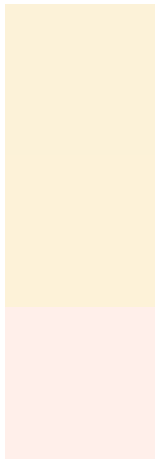


This preview shows how white text looks on a background with the Yxy color 89.1576, 0.3356, 0.3550.

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

89.1576, 0.3356, 0.3550

Protanopia

89.3448, 0.3363, 0.3549

Deuteranopia

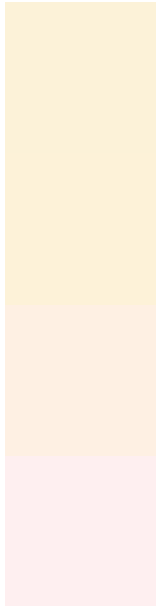
88.9335, 0.3265, 0.3339



Tritanopia

88.9202, 0.3148, 0.3136

Trichromacy



Original Color

89.1576, 0.3356, 0.3550

Protanomaly

89.3448, 0.3363, 0.3549

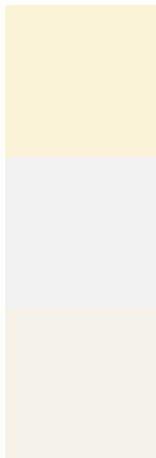
Deuteranomaly

88.9371, 0.3302, 0.3419

Tritanomaly

89.0951, 0.3221, 0.3281

Monochromacy



Original Color

89.1576, 0.3356, 0.3550

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.9803, 0.3208, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1576, 0.3356, 0.3550 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(252, 242, 216)` looks like.

```
.text, #text, p{  
    color:rgb(252, 242, 216)  
}
```

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(252, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 242, 216) }
```

Border

The CSS property to change the border of an element to Yxy 89.1576, 0.3356, 0.3550 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(252, 242, 216) }
```

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

```
.border{ border-color:rgb(252, 242, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 242, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 242, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 242, 216);  
box-shadow:4px 4px 4px 4px rgb(252, 242,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1576, 0.3356, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 242, 216) }
```

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

```
.background{ background-color: rgb(252,  
242, 216) }
```

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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