

Converting Colors

$Y_{xy}(88.7585, 0.3316, 0.3521)$

Have a look what the booklet for
Yxy(88.7585, 0.3316, 0.3521)
contains.

Yxy(88.7585, 0.3316, 0.3521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(88.7585, 0.3316, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	F9F2DB
RGB	249, 242, 219
RGB Percent	98%, 95%, 86%
CMY	0.0237, 0.0509, 0.1412
CMYK	0.00, 0.03, 0.12, 0.02
HSL	46°, 71%, 92%
HSV	46°, 12%, 98%
XYZ	83.5908, 88.7585, 79.7339
YIQ	241.4710, 11.5550, -5.6690

Conversions

Conversions Part 2

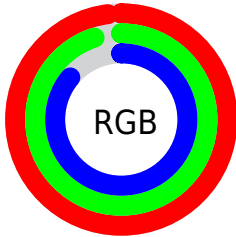
Format	Color
RYB	228, 249, 219
Decimal	16380635
CIELab	95.48, -1.47, 11.94
CIElCh	95, 12.026, 97.018
Yxy	88.7585, 0.3316, 0.3521
Android (android.graphics.Color)	4294570715 (0xFFFF9F2DB)
YUV	241.4710, -11.0782, 6.6029
Hunter-Lab	94.2117, -6.4937, 15.7695

Details

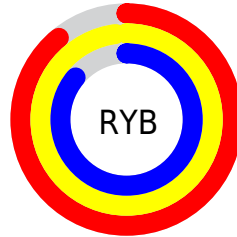
The Yxy color **88.7585, 0.3316, 0.3521** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.2420, 0.2937, 0.3048**, and the grayscale version is **88.4328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0046, 0.3354, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **84.1739, 0.3486, 0.3721**, and if you desaturate by 10%, it is **93.6549, 0.3158, 0.3328**.

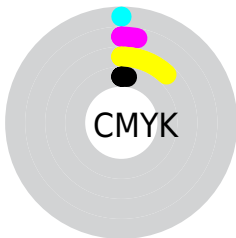
Distribution



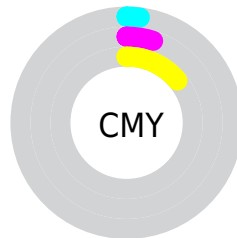
- Red (98%)
- Green (95%)
- Blue (86%)



- Red (89%)
- Yellow (98%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (12%)
- Black (2%)



- Cyan (2%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7585, 0.3316, 0.3521 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 88.7585, 0.3316, 0.3521 by changing the saturation by 10% instead.

88.7585, 0.3316,
0.3521

88.7585, 0.3316,
0.3521

523.9840, 0.3232,
0.3418

66.9514, 0.3335,
0.3544

145.6127, 0.3287,
0.3486

49.0451, 0.3357,
0.3572

181.4286, 0.3276,
0.3472

34.6553, 0.3385,
0.3606

222.6829, 0.3266,
0.3460

23.3975, 0.3421,
0.3651

269.7599, 0.3258,
0.3449

14.8873, 0.3468,
0.3710

323.0442, 0.3250,
0.3440

8.7403, 0.3532,
0.3791

382.9200, 0.3243,

4.5722, 0.3626,

0.3432

0.3911

449.7718, 0.3237,
0.3424

■ 1.9985, 0.3775,
0.4104

■ 0.6066, 0.4713,
0.5287

■ 88.7585, 0.3316,
0.3521

■ 88.7585, 0.3316,
0.3521

■ 84.1739, 0.3486,
0.3721

■ 93.6549, 0.3158,
0.3328

■ 79.8797, 0.3666,
0.3922

■ 97.9411, 0.3090,
0.3276

■ 75.8695, 0.3852,
0.4118

■ 98.8710, 0.3090,
0.3290

■ 72.1322, 0.4037,
0.4299

■ 68.6557, 0.4213,
0.4454

■ 65.4263, 0.4374,
0.4573

■ 62.4288, 0.4510,
0.4648

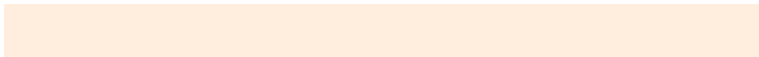
■ 59.6446, 0.4616,
0.4674

■ 57.5583, 0.4681,
0.4665

Harmonies

Analogous

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



88.7585, 0.3386, 0.3460



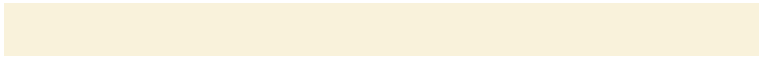
88.7585, 0.3316, 0.3521



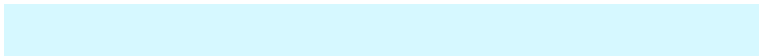
88.7585, 0.3196, 0.3519

Triad

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



88.7585, 0.3316, 0.3521



88.7585, 0.2876, 0.3214



88.7585, 0.3192, 0.3136

Complementary

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



88.7585, 0.3316, 0.3521



76.2420, 0.2937, 0.3048

Split Complementary

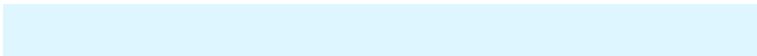
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7585, 0.3055, 0.3073



88.7585, 0.3316, 0.3521



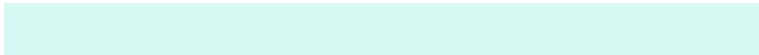
88.7585, 0.2874, 0.3114

Square

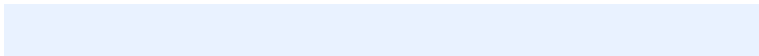
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7585, 0.3316, 0.3521



88.7585, 0.2942, 0.3338



88.7585, 0.2939, 0.3064



88.7585, 0.3314, 0.3239

Rectangle

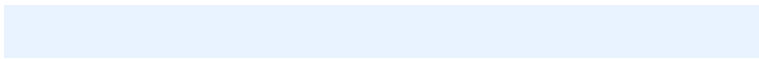
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7585, 0.3316, 0.3521



88.7585, 0.3104, 0.3480



88.7585, 0.2939, 0.3064



88.7585, 0.3146, 0.3110

Sweetspot

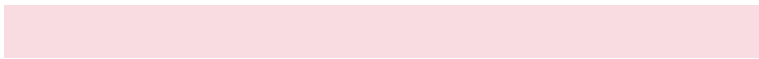
The Sweet Spot groups the original color and five complimentary colors.



88.7624, 0.3316, 0.3521



97.8645, 0.3188, 0.3365



76.2770, 0.3297, 0.3219



20.8623, 0.3200, 0.3380



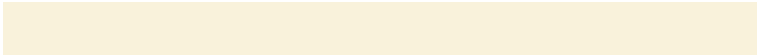
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

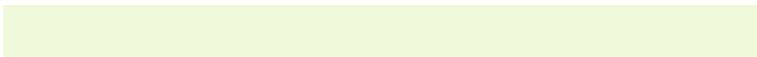
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7624, 0.3316, 0.3521



92.7553, 0.3349, 0.3560



91.5297, 0.3255, 0.3593



19.4701, 0.3275, 0.3471



31.0500, 0.4672, 0.4672



3.0352, 0.4603, 0.4727

Inverse Universe

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



76.2420, 0.2937, 0.3048



77.5695, 0.2904, 0.3005



73.8200, 0.2989, 0.2979



17.2943, 0.2979, 0.3102



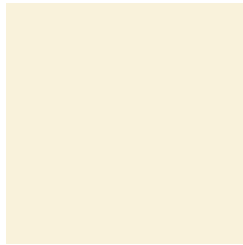
5.4357, 0.1570, 0.0850



0.6573, 0.1629, 0.1063

Previews

White Background



This preview shows how the Yxy color 88.7585, 0.3316, 0.3521 looks on a white background.

Color Contrast Check

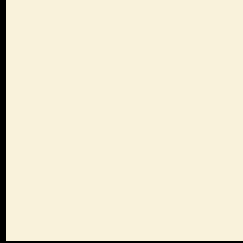
Large Text (above 18pt) WCAG AA × Fail

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 88.7585, 0.3316, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

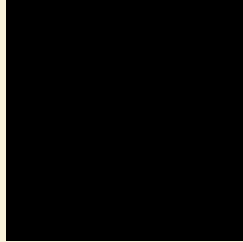
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

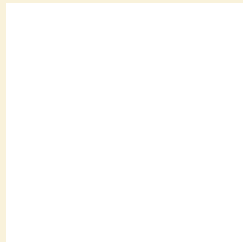
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7585, 0.3316, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 88.7585, 0.3316, 0.3521.

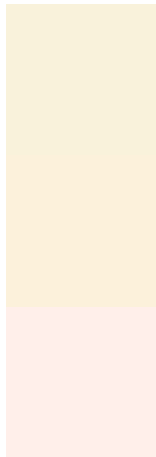


This preview shows how white text looks on a background with the Yxy color 88.7585, 0.3316, 0.3521.

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

88.7585, 0.3316, 0.3521

Protanopia

88.7205, 0.3338, 0.3509

Deuteranopia

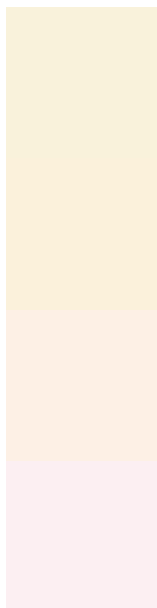
88.9335, 0.3265, 0.3339



Tritanopia

88.8592, 0.3129, 0.3117

Trichromacy



Original Color

88.7585, 0.3316, 0.3521

Protanomaly

88.5343, 0.3331, 0.3510

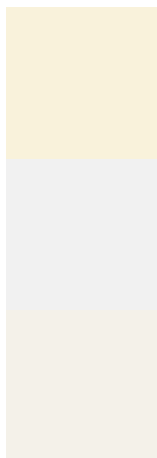
Deuteranomaly

88.8600, 0.3282, 0.3399

Tritanomaly

88.8393, 0.3195, 0.3261

Monochromacy



Original Color

88.7585, 0.3316, 0.3521

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.0269, 0.3196, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7585, 0.3316, 0.3521 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(249, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 242, 219) }
```

Border

The CSS property to change the border of an element to Yxy 88.7585, 0.3316, 0.3521 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(249, 242, 219) }
```

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

```
.border{ border-color:rgb(249, 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(249, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(249, 242,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7585, 0.3316, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 242, 219) }
```

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

```
.background{ background-color: rgb(249,  
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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