

Converting Colors

$Yxy(89.5591, 0.3219, 0.3566)$

Have a look what the booklet for
Yxy(89.5591, 0.3219, 0.3566)
contains.

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Color

Yxy(89.5217, 0.3218, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	ECF7DC
RGB	236, 247, 220
RGB Percent	93%, 97%, 86%
CMY	0.0743, 0.0314, 0.1372
CMYK	0.04, 0.00, 0.11, 0.03
HSL	84°, 63%, 92%
HSV	84°, 11%, 97%
XYZ	80.7854, 89.5217, 80.7352
YIQ	240.6330, 2.1110, -10.7290

Conversions

Conversions Part 2

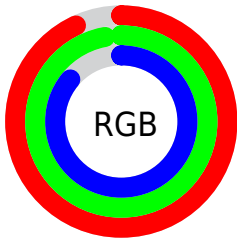
Format	Color
R _Y B	220, 247, 231
Decimal	15529948
CIE Lab	95.80, -8.26, 11.73
CIE LCh	96, 14.351, 125.153
Yxy	89.5217, 0.3218, 0.3566
Android (android.graphics.Color)	4293720028 (0xFFECEF7DC)
YUV	240.6330, -10.1721, -4.0631
Hunter-Lab	94.6159, -13.1701, 15.6393

Details

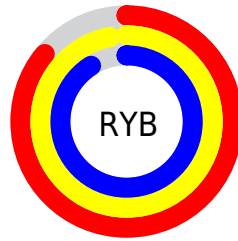
The Yxy color **89.5217, 0.3218, 0.3566** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.8837, 0.3029, 0.3011**, and the grayscale version is **87.7487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6815, 0.3235, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **86.6461, 0.3301, 0.3838**, and if you desaturate by 10%, it is **92.6944, 0.3135, 0.3312**.

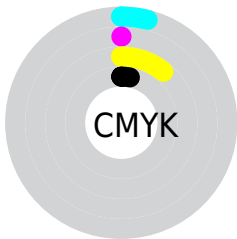
Distribution



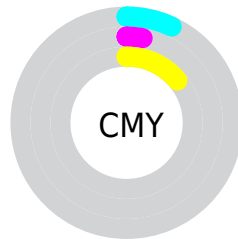
- Red (93%)
- Green (97%)
- Blue (86%)



- Red (86%)
- Yellow (97%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5217, 0.3218, 0.3566 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 89.5217, 0.3218, 0.3566 by changing the saturation by 10% instead.

 89.5217, 0.3218,
0.3566

 89.5217, 0.3218,
0.3566


526.4737, 0.3178,
0.3441

 67.5840, 0.3227,
0.3594


146.6738, 0.3205,
0.3523

 49.5594, 0.3237,
0.3628


182.6571, 0.3199,
0.3506

 35.0634, 0.3249,
0.3671


224.0909, 0.3195,
0.3492

 23.7117, 0.3265,
0.3726

271.3599, 0.3191,
0.3479

 15.1199, 0.3285,
0.3799

324.8482, 0.3187,
0.3468

 8.9036, 0.3313,
0.3903

384.9404, 0.3184,

 4.6784, 0.3350,

0.3458

0.4058

452.0207, 0.3181,
0.3449

■ 2.0598, 0.3403,
0.4315

■ 0.6419, 0.3888,
0.6112

■ 89.5217, 0.3218,
0.3566

■ 89.5217, 0.3218,
0.3566

■ 86.6461, 0.3301,
0.3838

■ 92.6944, 0.3135,
0.3312

■ 84.0461, 0.3380,
0.4122

■ 94.9953, 0.3131,
0.3214

■ 81.7146, 0.3451,
0.4413

■ 79.6404, 0.3509,
0.4698

■ 77.8110, 0.3550,
0.4964

■ 76.2124, 0.3570,
0.5199

■ 74.8291, 0.3565,
0.5389

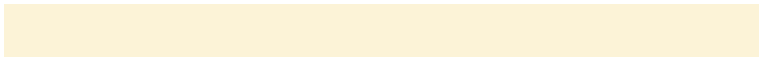
■ 73.6426, 0.3535,
0.5526

■ 72.7106, 0.3493,
0.5609

Harmonies

Analogous

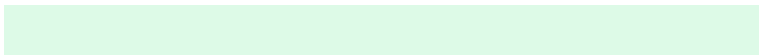
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5217, 0.3359, 0.3563



89.5217, 0.3218, 0.3566



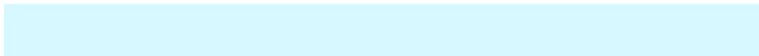
89.5217, 0.3055, 0.3490

Triad

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



89.5217, 0.3218, 0.3566



89.5217, 0.2825, 0.3086



89.5217, 0.3342, 0.3221

Complementary

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



89.5217, 0.3218, 0.3566



74.8837, 0.3029, 0.3011

Split Complementary

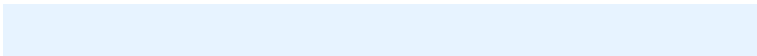
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5217, 0.3194, 0.3102



89.5217, 0.3218, 0.3566



89.5217, 0.2897, 0.3023

Square

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



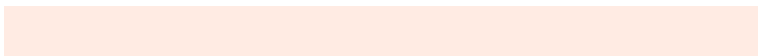
89.5217, 0.3218, 0.3566



89.5217, 0.2831, 0.3208



89.5217, 0.3031, 0.3030



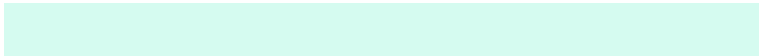
89.5217, 0.3432, 0.3360

Rectangle

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



89.5217, 0.3218, 0.3566



89.5217, 0.2957, 0.3405



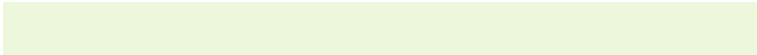
89.5217, 0.3031, 0.3030



89.5217, 0.3297, 0.3178

Sweetspot

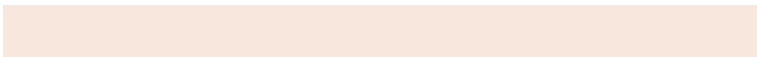
The Sweet Spot groups the original color and five complimentary colors.



89.5256, 0.3218, 0.3566



98.9339, 0.3152, 0.3364



81.9799, 0.3309, 0.3400



21.1160, 0.3159, 0.3384



0.0000, 0.0000, 0.0000



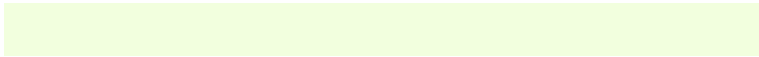
21.4041, 0.3127, 0.3290

Same Dimension

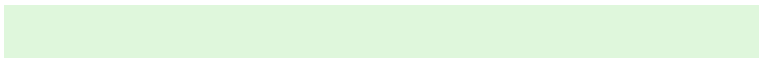
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5256, 0.3218, 0.3566



95.5869, 0.3235, 0.3622



87.3241, 0.3131, 0.3573



18.9593, 0.3206, 0.3528



38.5429, 0.3503, 0.5600



3.4474, 0.3588, 0.5533

Inverse Universe

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



74.8837, 0.3029, 0.3011



77.0930, 0.3008, 0.2955



77.1901, 0.3121, 0.3019



16.2544, 0.3043, 0.3050



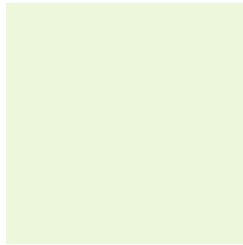
5.0645, 0.1853, 0.0794



0.5034, 0.1992, 0.0871

Previews

White Background



This preview shows how the Yxy color 89.5217, 0.3218, 0.3566 looks on a white background.

Color Contrast Check

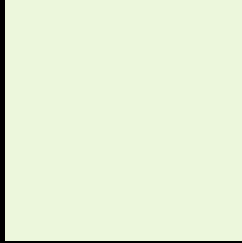
Large Text (above 18pt) WCAG AA × Fail

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 89.5217, 0.3218, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

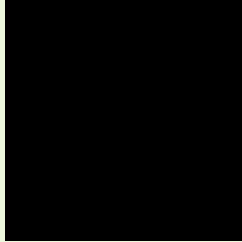
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

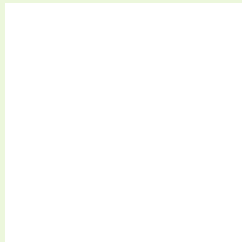
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5217, 0.3218, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 89.5217, 0.3218, 0.3566.

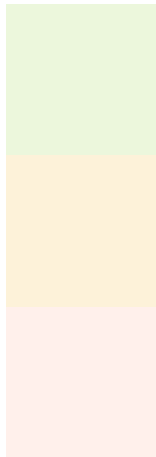


This preview shows how white text looks on a background with the Yxy color 89.5217, 0.3218, 0.3566.

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

89.5217, 0.3218, 0.3566

Protanopia

89.3967, 0.3356, 0.3539

Deuteranopia

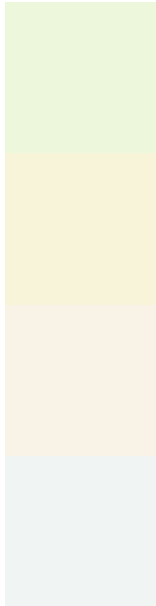
89.5783, 0.3258, 0.3339



Tritanopia

89.6015, 0.3050, 0.3162

Trichromacy



Original Color

89.5217, 0.3218, 0.3566

Protanomaly

89.5375, 0.3307, 0.3551

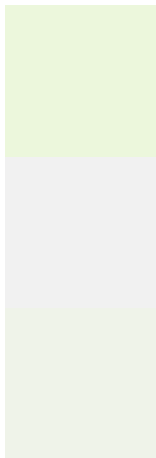
Deuteranomaly

89.7708, 0.3240, 0.3420

Tritanomaly

89.6374, 0.3113, 0.3310

Monochromacy



Original Color

89.5217, 0.3218, 0.3566

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3351, 0.3162, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5217, 0.3218, 0.3566 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(236, 247, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 247, 220)  
}
```

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(236, 247, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 247, 220) }
```

Border

The CSS property to change the border of an element to Yxy 89.5217, 0.3218, 0.3566 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(236, 247, 220) }
```

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

```
.border{ border-color:rgb(236, 247, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 247, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 247, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 247, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 247,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5217, 0.3218, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 247, 220) }
```

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

```
.background{ background-color: rgb(236,  
247, 220) }
```

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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