

Converting Colors

$Yxy(90.4737, 0.3189, 0.3482)$

Have a look what the booklet for
Yxy(90.4737, 0.3189, 0.3482)
contains.

Yxy(90.4737, 0.3189, 0.3482)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.4737, 0.3189, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	EFF7E4
RGB	239, 247, 228
RGB Percent	94%, 97%, 89%
CMY	0.0628, 0.0313, 0.1059
CMYK	0.03, 0.00, 0.08, 0.03
HSL	85°, 54%, 93%
HSV	85°, 8%, 97%
XYZ	82.8606, 90.4737, 86.4983
YIQ	242.4420, 1.3310, -7.6050

Conversions

Conversions Part 2

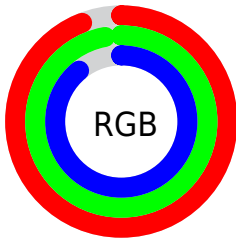
Format	Color
R _Y B	228, 247, 236
Decimal	15726564
CIE Lab	96.19, -5.94, 8.21
CIE LCh	96, 10.132, 125.918
Yxy	90.4737, 0.3189, 0.3482
Android (android.graphics.Color)	4293916644 (0xFFEFF7E4)
YUV	242.4420, -7.1199, -3.0186
Hunter-Lab	95.1177, -10.9578, 12.6651

Details

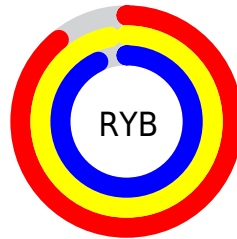
The Yxy color **90.4737, 0.3189, 0.3482** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0418, 0.3062, 0.3097**, and the grayscale version is **89.2206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3460, 0.3198, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **87.4419, 0.3269, 0.3749**, and if you desaturate by 10%, it is **93.8137, 0.3109, 0.3235**.

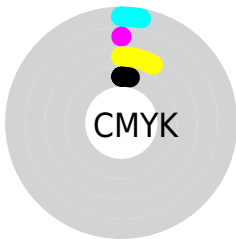
Distribution



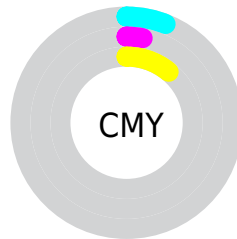
- Red (94%)
- Green (97%)
- Blue (89%)



- Red (89%)
- Yellow (97%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)




- Cyan (6%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4737, 0.3189, 0.3482 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 90.4737, 0.3189, 0.3482 by changing the saturation by 10% instead.

 90.4737, 0.3189,
0.3482

 90.4737, 0.3189,
0.3482

529.5706, 0.3162,
0.3396

 68.3736, 0.3195,
0.3501


147.9962, 0.3180,
0.3453

 50.2017, 0.3202,
0.3525


184.1874, 0.3176,
0.3441

 35.5737, 0.3211,
0.3554


225.8444, 0.3173,
0.3431

 24.1051, 0.3222,
0.3591

273.3516, 0.3170,
0.3422

 15.4116, 0.3236,
0.3641

327.0935, 0.3168,
0.3414

 9.1088, 0.3255,
0.3711

387.4543, 0.3166,

 4.8122, 0.3283,

0.3407

0.3816

454.8185, 0.3164,
0.3401

■ 2.1375, 0.3324,
0.3988

■ 0.6856, 0.3711,
0.5023

■ 90.4737, 0.3189,
0.3482

■ 90.4737, 0.3189,
0.3482

■ 87.4419, 0.3269,
0.3749

■ 93.8137, 0.3109,
0.3235

■ 84.6965, 0.3347,
0.4031

■ 95.0055, 0.3131,
0.3214

■ 82.2309, 0.3419,
0.4323

■ 80.0336, 0.3479,
0.4613

■ 78.0923, 0.3523,
0.4890

■ 76.3935, 0.3547,
0.5140

■ 74.9218, 0.3548,
0.5348

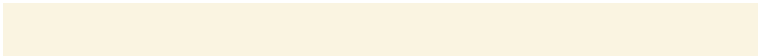
■ 73.6597, 0.3524,
0.5505

■ 72.5843, 0.3479,
0.5609

Harmonies

Analogous

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



90.4737, 0.3288, 0.3482



90.4737, 0.3189, 0.3482



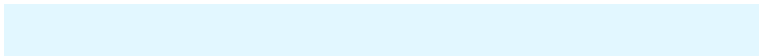
90.4737, 0.3074, 0.3428

Triad

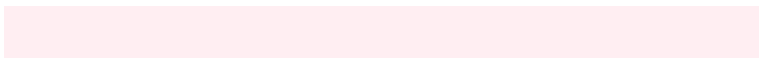
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4737, 0.3189, 0.3482



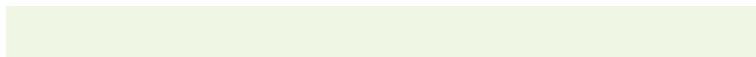
90.4737, 0.2914, 0.3146



90.4737, 0.3280, 0.3244

Complementary

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



90.4737, 0.3189, 0.3482



80.0418, 0.3062, 0.3097

Split Complementary

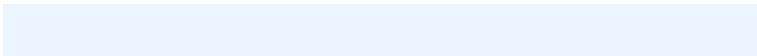
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4737, 0.3177, 0.3158



90.4737, 0.3189, 0.3482



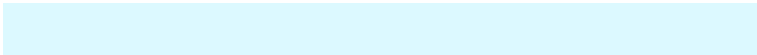
90.4737, 0.2967, 0.3101

Square

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



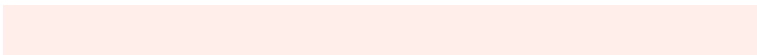
90.4737, 0.3189, 0.3482



90.4737, 0.2917, 0.3231



90.4737, 0.3063, 0.3106



90.4737, 0.3342, 0.3343

Rectangle

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



90.4737, 0.3189, 0.3482



90.4737, 0.3005, 0.3368



90.4737, 0.3063, 0.3106



90.4737, 0.3249, 0.3213

Sweetspot

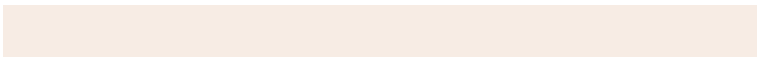
The Sweet Spot groups the original color and five complimentary colors.



90.4776, 0.3189, 0.3482



99.2704, 0.3143, 0.3339



85.3239, 0.3252, 0.3370



21.2556, 0.3142, 0.3336



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.



90.4776, 0.3189, 0.3482



96.8202, 0.3200, 0.3516



88.8825, 0.3128, 0.3485



18.9454, 0.3203, 0.3528



38.3495, 0.3479, 0.5620



3.4309, 0.3565, 0.5551

Inverse Universe

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



80.0418, 0.3062, 0.3097



83.7898, 0.3050, 0.3062



81.6950, 0.3125, 0.3101



16.2680, 0.3045, 0.3050



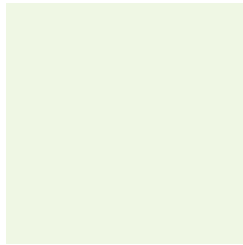
5.1910, 0.1880, 0.0809



0.5153, 0.2019, 0.0886

Previews

White Background



This preview shows how the Yxy color 90.4737, 0.3189, 0.3482 looks on a white background.

Color Contrast Check

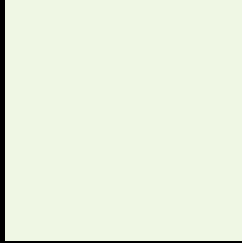
Large Text (above 18pt) WCAG AA × Fail

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 90.4737, 0.3189, 0.3482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

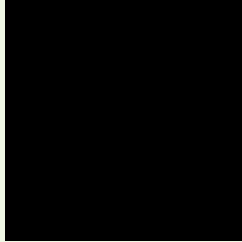
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

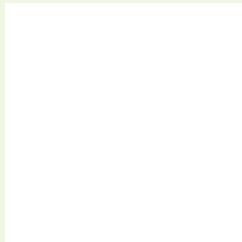
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4737, 0.3189, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 90.4737, 0.3189, 0.3482.

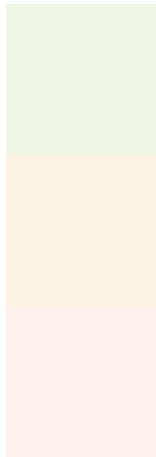


This preview shows how white text looks on a background with the Yxy color 90.4737, 0.3189, 0.3482.

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

90.4737, 0.3189, 0.3482

Protanopia

90.2876, 0.3291, 0.3458

Deuteranopia

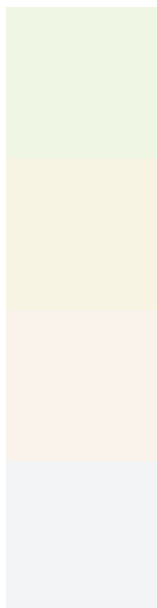
90.4026, 0.3232, 0.3310



Tritanopia

90.5543, 0.3062, 0.3172

Trichromacy



Original Color

90.4737, 0.3189, 0.3482

Protanomaly

90.0216, 0.3250, 0.3460

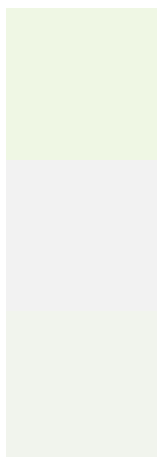
Deuteranomaly

90.2391, 0.3215, 0.3369

Tritanomaly

90.1712, 0.3108, 0.3280

Monochromacy



Original Color

90.4737, 0.3189, 0.3482

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.5166, 0.3150, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4737, 0.3189, 0.3482 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(239, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(239, 247, 228)  
}
```

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(239, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 247, 228) }
```

Border

The CSS property to change the border of an element to Yxy 90.4737, 0.3189, 0.3482 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(239, 247, 228) }
```

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

```
.border{ border-color:rgb(239, 247, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 247, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 247, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 247, 228);  
box-shadow:4px 4px 4px 4px rgb(239, 247,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4737, 0.3189, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 247, 228) }
```

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

```
.background{ background-color: rgb(239,  
247, 228) }
```

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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