

Converting Colors

Yxy(90.9448, 0.3215, 0.3491)

Have a look what the booklet for
Yxy(90.9448, 0.3215, 0.3491)
contains.

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Color

Yxy(90.9448, 0.3215, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	F2F7E3
RGB	242, 247, 227
RGB Percent	95%, 97%, 89%
CMY	0.0508, 0.0314, 0.1098
CMYK	0.02, 0.00, 0.08, 0.03
HSL	75°, 56%, 93%
HSV	75°, 8%, 97%
XYZ	83.7547, 90.9448, 85.8127
YIQ	243.2250, 3.4400, -7.2800

Conversions

Conversions Part 2

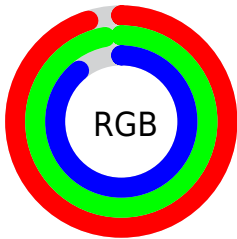
Format	Color
R _Y B	227, 247, 232
Decimal	15923171
CIE Lab	96.39, -5.07, 9.03
CIE LCh	96, 10.357, 119.308
Yxy	90.9448, 0.3215, 0.3491
Android (android.graphics.Color)	4294113251 (0xFFFF2F7E3)
YUV	243.2250, -7.9989, -1.0743
Hunter-Lab	95.3650, -10.1204, 13.4043

Details

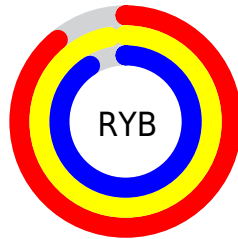
The Yxy color **90.9448, 0.3215, 0.3491** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.8018, 0.3035, 0.3085**, and the grayscale version is **89.8862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6793, 0.3231, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **88.6168, 0.3325, 0.3752**, and if you desaturate by 10%, it is **93.5125, 0.3107, 0.3244**.

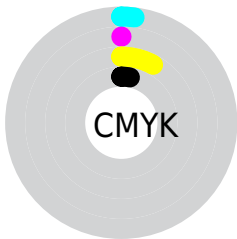
Distribution



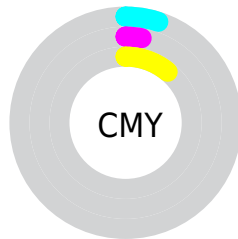
- Red (95%)
- Green (97%)
- Blue (89%)



- Red (89%)
- Yellow (97%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (5%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9448, 0.3215, 0.3491 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 90.9448, 0.3215, 0.3491 by changing the saturation by 10% instead.


 90.9448, 0.3215,
0.3491

 90.9448, 0.3215,
0.3491

531.0995, 0.3176,
0.3401

 68.7645, 0.3223,
0.3511

148.6501, 0.3202,
0.3460

 50.5200, 0.3234,
0.3535


184.9439, 0.3197,
0.3448

 35.8267, 0.3246,
0.3566


226.7109, 0.3192,
0.3438

 24.3004, 0.3262,
0.3605

274.3357, 0.3188,
0.3428

 15.5566, 0.3283,
0.3657

328.2025, 0.3185,
0.3420

 9.2109, 0.3311,
0.3729

388.6958, 0.3182,

 4.8790, 0.3351,

0.3413

0.3837

456.2000, 0.3179,
0.3407

■ 2.1765, 0.3413,
0.4013

■ 0.7071, 0.3934,
0.5073

■ 90.9448, 0.3215,
0.3491

■ 90.9448, 0.3215,
0.3491

■ 88.6168, 0.3325,
0.3752

■ 93.5125, 0.3107,
0.3244

■ 86.5081, 0.3433,
0.4023

■ 94.8602, 0.3126,
0.3213

■ 84.6134, 0.3535,
0.4295

■ 94.9976, 0.3131,
0.3214

■ 82.9227, 0.3626,
0.4559

■ 81.4251, 0.3700,
0.4803

■ 80.1086, 0.3753,
0.5016

■ 78.9595, 0.3780,
0.5187

■ 77.9618, 0.3782,
0.5311

■ 77.0935, 0.3759,
0.5389

Harmonies

Analogous

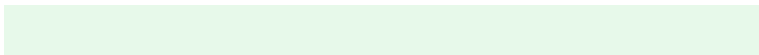
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9448, 0.3309, 0.3479



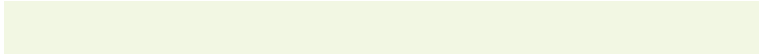
90.9448, 0.3215, 0.3491



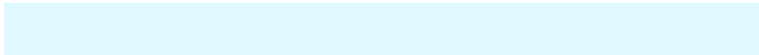
90.9448, 0.3099, 0.3447

Triad

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



90.9448, 0.3215, 0.3491



90.9448, 0.2905, 0.3159



90.9448, 0.3263, 0.3222

Complementary

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



90.9448, 0.3215, 0.3491



78.8018, 0.3035, 0.3085

Split Complementary

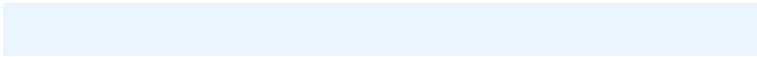
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9448, 0.3153, 0.3140



90.9448, 0.3215, 0.3491



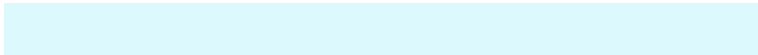
90.9448, 0.2947, 0.3103

Square

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



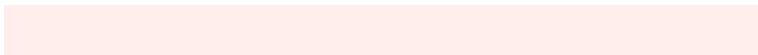
90.9448, 0.3215, 0.3491



90.9448, 0.2921, 0.3252



90.9448, 0.3037, 0.3097



90.9448, 0.3337, 0.3322

Rectangle

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



90.9448, 0.3215, 0.3491



90.9448, 0.3025, 0.3391



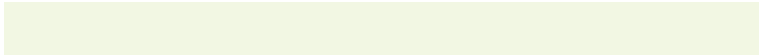
90.9448, 0.3037, 0.3097



90.9448, 0.3229, 0.3192

Sweetspot

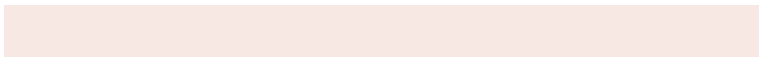
The Sweet Spot groups the original color and five complimentary colors.



90.9487, 0.3215, 0.3491



99.4372, 0.3149, 0.3339



82.8448, 0.3263, 0.3337



21.2896, 0.3148, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

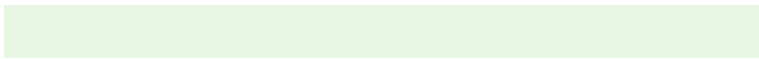
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9487, 0.3215, 0.3491



97.2873, 0.3236, 0.3540



89.2753, 0.3152, 0.3495



19.0949, 0.3230, 0.3527



40.7618, 0.3761, 0.5395



3.6304, 0.3818, 0.5351

Inverse Universe

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



78.8018, 0.3035, 0.3085



81.3367, 0.3011, 0.3034



80.4717, 0.3100, 0.3089



16.1249, 0.3018, 0.3048



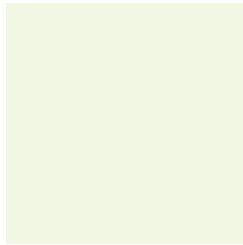
4.1345, 0.1642, 0.0678



0.4097, 0.1764, 0.0745

Previews

White Background



This preview shows how the Yxy color 90.9448, 0.3215, 0.3491 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 90.9448, 0.3215, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

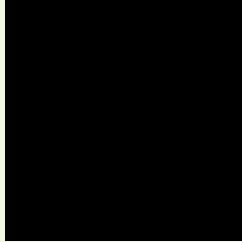
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

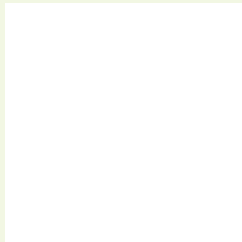
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9448, 0.3215, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 90.9448, 0.3215, 0.3491.

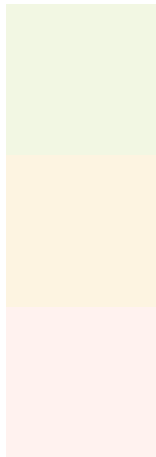


This preview shows how white text looks on a background with the Yxy color 90.9448, 0.3215, 0.3491.

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

90.9448, 0.3215, 0.3491

Protanopia

91.0203, 0.3303, 0.3478

Deuteranopia

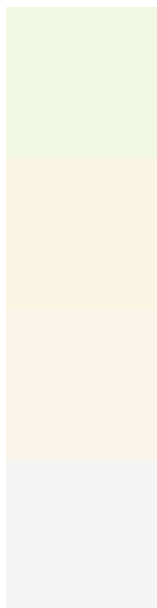
90.9963, 0.3231, 0.3320



Tritanopia

90.9140, 0.3075, 0.3173

Trichromacy



Original Color

90.9448, 0.3215, 0.3491

Protanomaly

90.9355, 0.3269, 0.3479

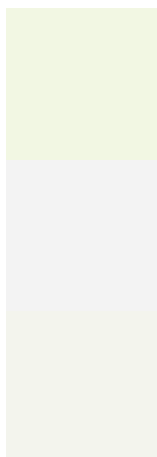
Deuteranomaly

91.0235, 0.3221, 0.3379

Tritanomaly

90.7064, 0.3128, 0.3280

Monochromacy



Original Color

90.9448, 0.3215, 0.3491

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8705, 0.3163, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9448, 0.3215, 0.3491 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(242, 247, 227)` looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 227)  
}
```

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(242, 247, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 227) }
```

Border

The CSS property to change the border of an element to Yxy 90.9448, 0.3215, 0.3491 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(242, 247, 227) }
```

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

```
.border{ border-color:rgb(242, 247, 227) }
```

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

Here you see how a box with a 4 pixel rgb(242, 247, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 227);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9448, 0.3215, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 227) }
```

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

```
.background{ background-color: rgb(242,  
247, 227) }
```

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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