

Converting Colors

$Yxy(90.8846, 0.3263, 0.3738)$

Have a look what the booklet for
Yxy(90.8846, 0.3263, 0.3738)
contains.

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Color

Yxy(90.7042, 0.3259, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	E8FBD0
RGB	232, 251, 208
RGB Percent	91%, 98%, 82%
CMY	0.0904, 0.0156, 0.1844
CMYK	0.08, 0.00, 0.17, 0.02
HSL	87°, 84%, 90%
HSV	87°, 17%, 98%
XYZ	79.1446, 90.7042, 73.0005
YIQ	240.4170, 2.4790, -17.4010

Conversions

Conversions Part 2

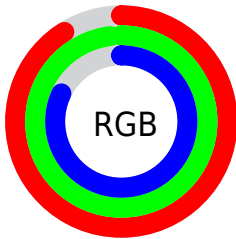
Format	Color
R_{YB}	208, 251, 227
Decimal	15268816
CIE _{Lab}	96.29, -13.60, 18.55
CIE _{LCh}	96, 23.007, 126.248
Yxy	90.7042, 0.3259, 0.3735
Android (android.graphics.Color)	4293458896 (0xFFE8FBD0)
YUV	240.4170, -15.9816, -7.3817
Hunter-Lab	95.2388, -18.3321, 21.2214

Details

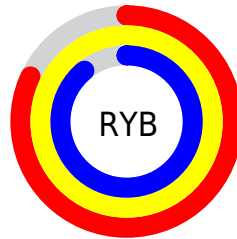
The Yxy color **90.7042, 0.3259, 0.3735** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.4138, 0.2976, 0.2841**, and the grayscale version is **87.6019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1468, 0.3281, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **87.7652, 0.3333, 0.4018**, and if you desaturate by 10%, it is **93.9646, 0.3182, 0.3468**.

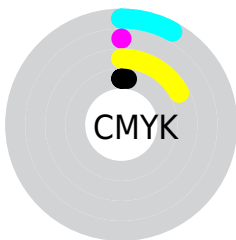
Distribution



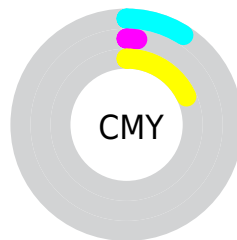
- Red (91%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (9%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7042, 0.3259, 0.3735 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 90.7042, 0.3259, 0.3735 by changing the saturation by 10% instead.

 90.7042, 0.3259,
0.3735

 90.7042, 0.3259,
0.3735

530.3189, 0.3203,
0.3533

 68.5649, 0.3271,
0.3780


148.3162, 0.3240,
0.3665

 50.3574, 0.3285,
0.3836


184.5576, 0.3233,
0.3638

 35.6975, 0.3301,
0.3906


226.2685, 0.3226,
0.3615

 24.2006, 0.3322,
0.3996

273.8332, 0.3221,
0.3594

 15.4825, 0.3347,
0.4116

327.6363, 0.3215,
0.3576

 9.1587, 0.3379,
0.4285

388.0620, 0.3211,

 4.8449, 0.3417,

0.3560

0.4537

455.4947, 0.3207,
0.3545

■ 2.1565, 0.3478,
0.4983

■ 0.6961, 0.3213,
0.6787

■ 90.7042, 0.3259,
0.3735

■ 90.7042, 0.3259,
0.3735

■ 87.7652, 0.3333,
0.4018

■ 93.9646, 0.3182,
0.3468

■ 85.1244, 0.3401,
0.4312

■ 97.3381, 0.3124,
0.3252

■ 82.7737, 0.3459,
0.4606

■ 97.4891, 0.3129,
0.3252

■ 80.6999, 0.3500,
0.4888

■ 78.8887, 0.3522,
0.5144

■ 77.3238, 0.3521,
0.5359

■ 75.9869, 0.3495,
0.5522

■ 74.8546, 0.3449,
0.5631

■ 74.5595, 0.3434,
0.5655

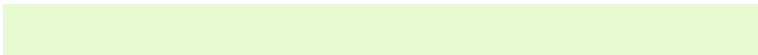
Harmonies

Analogous

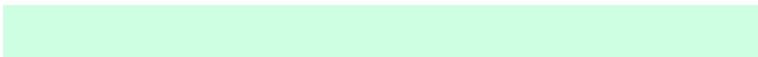
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7042, 0.3488, 0.3728



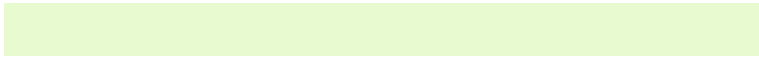
90.7042, 0.3259, 0.3735



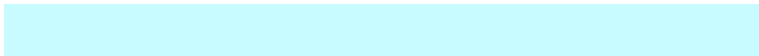
90.7042, 0.3001, 0.3608

Triad

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



90.7042, 0.3259, 0.3735



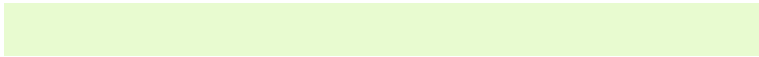
90.7042, 0.2653, 0.2958



90.7042, 0.3478, 0.3186

Complementary

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



90.7042, 0.3259, 0.3735



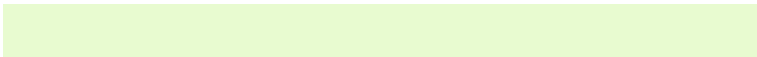
68.4138, 0.2976, 0.2841

Split Complementary

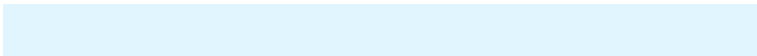
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7042, 0.3241, 0.3000



90.7042, 0.3259, 0.3735



90.7042, 0.2768, 0.2867

Square

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



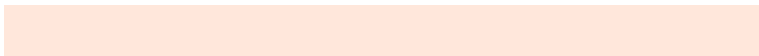
90.7042, 0.3259, 0.3735



90.7042, 0.2658, 0.3144



90.7042, 0.2980, 0.2885



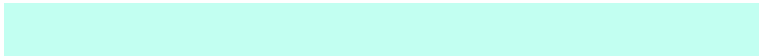
90.7042, 0.3620, 0.3402

Rectangle

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



90.7042, 0.3259, 0.3735



90.7042, 0.2847, 0.3466



90.7042, 0.2980, 0.2885



90.7042, 0.3406, 0.3119

Sweetspot

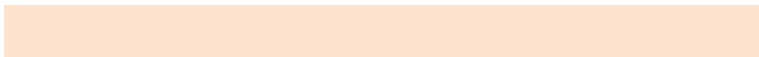
The Sweet Spot groups the original color and five complimentary colors.



90.7081, 0.3259, 0.3735



98.1493, 0.3166, 0.3414



79.8061, 0.3426, 0.3481



20.9538, 0.3171, 0.3432



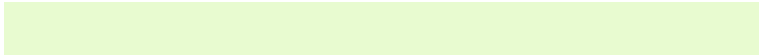
0.0000, 0.0000, 0.0000



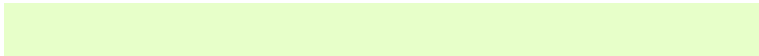
21.4041, 0.3127, 0.3290

Same Dimension

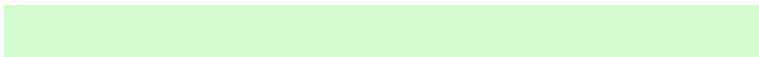
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7081, 0.3259, 0.3735



92.7895, 0.3288, 0.3843



87.3900, 0.3123, 0.3754



19.7855, 0.3200, 0.3529



39.2709, 0.3445, 0.5646



3.7000, 0.3530, 0.5579

Inverse Universe

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



68.4138, 0.2976, 0.2841



65.2425, 0.2937, 0.2731



72.0562, 0.3126, 0.2861



17.0197, 0.3049, 0.3050



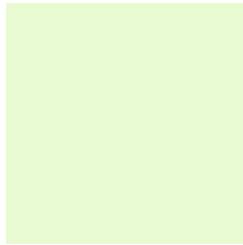
5.5310, 0.1917, 0.0830



0.5740, 0.2048, 0.0902

Previews

White Background



This preview shows how the Yxy color 90.7042, 0.3259, 0.3735 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 90.7042, 0.3259, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

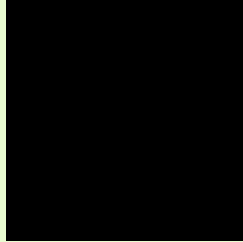
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

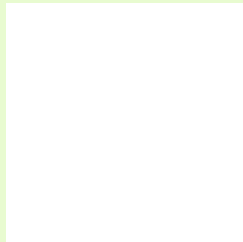
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7042, 0.3259, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 90.7042, 0.3259, 0.3735.

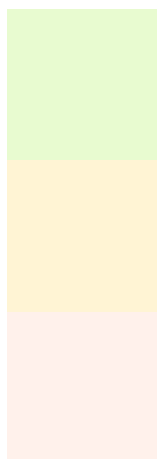


This preview shows how white text looks on a background with the Yxy color 90.7042, 0.3259, 0.3735.

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

90.7042, 0.3259, 0.3735

Protanopia

90.7148, 0.3399, 0.3607

Deuteranopia

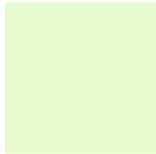
90.1688, 0.3257, 0.3349



Tritanopia

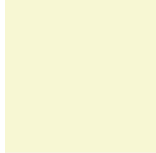
90.7986, 0.3049, 0.3182

Trichromacy



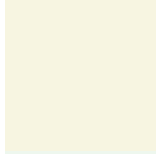
Original Color

90.7042, 0.3259, 0.3735



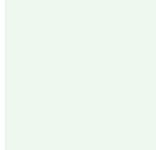
Protanomaly

90.9988, 0.3346, 0.3652



Deuteranomaly

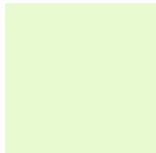
90.5152, 0.3262, 0.3490



Tritanomaly

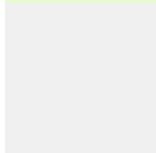
90.8717, 0.3123, 0.3380

Monochromacy



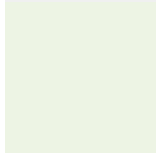
Original Color

90.7042, 0.3259, 0.3735



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3073, 0.3178, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7042, 0.3259, 0.3735 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(232, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(232, 251, 208)  
}
```

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(232, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 251, 208) }
```

Border

The CSS property to change the border of an element to Yxy 90.7042, 0.3259, 0.3735 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(232, 251, 208) }
```

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

```
.border{ border-color:rgb(232, 251, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 251, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 251, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 251, 208); box-shadow:4px 4px 4px 4px rgb(232, 251, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7042, 0.3259, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 251, 208) }
```

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

```
.background{ background-color: rgb(232,  
251, 208) }
```

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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