

Converting Colors

$Yxy(90.0424, 0.3233, 0.3738)$

Have a look what the booklet for
Yxy(90.0424, 0.3233, 0.3738)
contains.

Yxy(90.0424, 0.3233, 0.3738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.0424, 0.3233, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	E4FBD0
RGB	228, 251, 208
RGB Percent	89%, 98%, 82%
CMY	0.1059, 0.0157, 0.1842
CMYK	0.09, 0.00, 0.17, 0.02
HSL	92°, 84%, 90%
HSV	92°, 17%, 98%
XYZ	77.8778, 90.0424, 72.9637
YIQ	239.2210, 0.0950, -18.2490

Conversions

Conversions Part 2

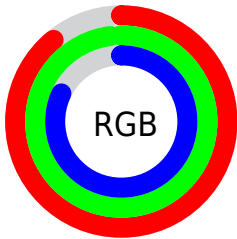
Format	Color
R_{YB}	208, 251, 231
Decimal	15006672
CIE _{Lab}	96.01, -14.95, 18.11
CIE _{LCh}	96, 23.483, 129.532
Y _{xy}	90.0424, 0.3233, 0.3738
Android (android.graphics.Color)	4293196752 (0xFFE4FBD0)
YUV	239.2210, -15.3920, -9.8408
Hunter-Lab	94.8907, -19.5619, 20.8340

Details

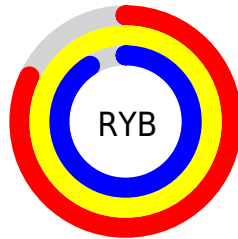
The Yxy color **90.0424, 0.3233, 0.3738** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.0835, 0.3004, 0.2845**, and the grayscale version is **86.6225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6873, 0.3247, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **86.7937, 0.3292, 0.4028**, and if you desaturate by 10%, it is **93.6653, 0.3171, 0.3468**.

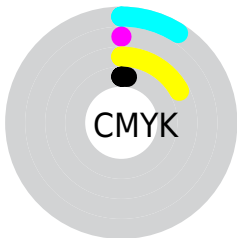
Distribution



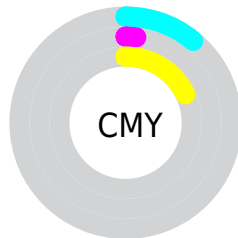
- Red (89%)
- Green (98%)
- Blue (82%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0424, 0.3233, 0.3738 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 90.0424, 0.3233, 0.3738 by changing the saturation by 10% instead.


 90.0424, 0.3233,
0.3738

 90.0424, 0.3233,
0.3738

528.1688, 0.3189,
0.3534

 68.0158, 0.3242,
0.3784

147.3973, 0.3218,
0.3668

 49.9106, 0.3253,
0.3840

183.4944, 0.3213,
0.3640

 35.3424, 0.3266,
0.3911


225.0504, 0.3207,
0.3616

 23.9267, 0.3281,
0.4003

272.4498, 0.3203,
0.3596

 15.2793, 0.3300,
0.4126

326.0769, 0.3199,
0.3577

 9.0156, 0.3322,
0.4299

386.3162, 0.3195,

 4.7514, 0.3347,

0.3561

0.4559

453.5520, 0.3192,
0.3547

■ 2.1021, 0.3387,
0.5026

■ 0.6658, 0.2870,
0.7130

■ 90.0424, 0.3233,
0.3738

■ 90.0424, 0.3233,
0.3738

■ 86.7937, 0.3292,
0.4028

■ 93.6653, 0.3171,
0.3468

■ 83.8944, 0.3344,
0.4331

■ 97.4535, 0.3128,
0.3252

■ 81.3345, 0.3386,
0.4638

■ 97.4780, 0.3129,
0.3252

■ 79.0991, 0.3413,
0.4936

■ 77.1718, 0.3421,
0.5208

■ 75.5345, 0.3409,
0.5438

■ 74.1664, 0.3375,
0.5614

■ 73.0419, 0.3323,
0.5730

■ 72.7539, 0.3306,
0.5757

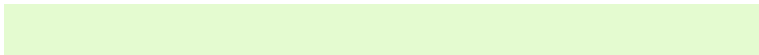
Harmonies

Analogous

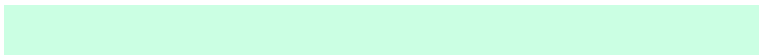
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0424, 0.3475, 0.3745



90.0424, 0.3233, 0.3738



90.0424, 0.2970, 0.3594

Triad

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



90.0424, 0.3233, 0.3738



90.0424, 0.2649, 0.2935



90.0424, 0.3508, 0.3207

Complementary

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



90.0424, 0.3233, 0.3738



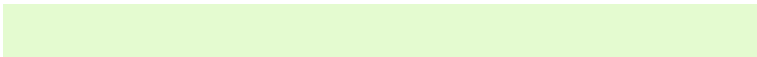
69.0835, 0.3004, 0.2845

Split Complementary

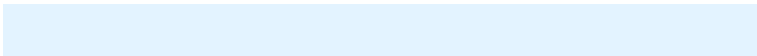
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0424, 0.3272, 0.3012



90.0424, 0.3233, 0.3738



90.0424, 0.2779, 0.2855

Square

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



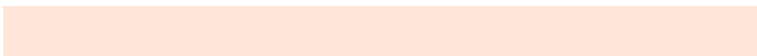
90.0424, 0.3233, 0.3738



90.0424, 0.2641, 0.3116



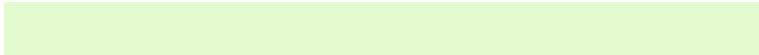
90.0424, 0.3005, 0.2885



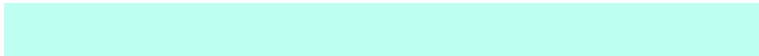
90.0424, 0.3640, 0.3429

Rectangle

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



90.0424, 0.3233, 0.3738



90.0424, 0.2818, 0.3444



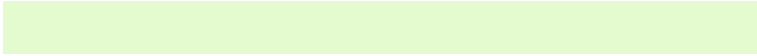
90.0424, 0.3005, 0.2885



90.0424, 0.3438, 0.3137

Sweetspot

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



90.0463, 0.3233, 0.3738



97.9341, 0.3158, 0.3414



82.1880, 0.3418, 0.3523



20.9015, 0.3163, 0.3432



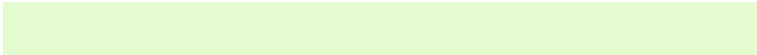
0.0000, 0.0000, 0.0000



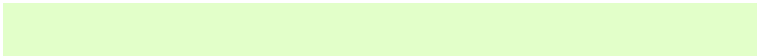
21.4041, 0.3127, 0.3290

Same Dimension

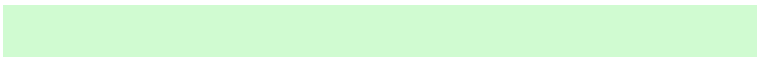
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0463, 0.3233, 0.3738



91.9805, 0.3256, 0.3849



87.0374, 0.3097, 0.3740



19.7044, 0.3186, 0.3530



38.3251, 0.3318, 0.5747



3.6119, 0.3410, 0.5675

Inverse Universe

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



69.0835, 0.3004, 0.2845



66.0462, 0.2972, 0.2737



72.5090, 0.3157, 0.2878



17.1006, 0.3063, 0.3051



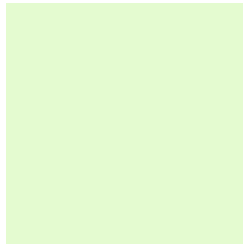
6.4293, 0.2093, 0.0926



0.6585, 0.2217, 0.0995

Previews

White Background



This preview shows how the Yxy color 90.0424, 0.3233, 0.3738 looks on a white background.

Color Contrast Check

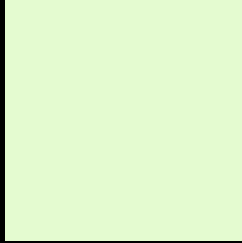
Large Text (above 18pt) WCAG AA × Fail

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 90.0424, 0.3233, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

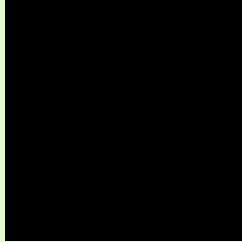
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

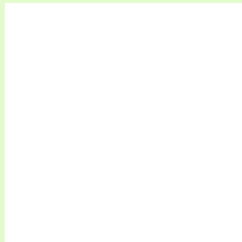
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0424, 0.3233, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 90.0424, 0.3233, 0.3738.

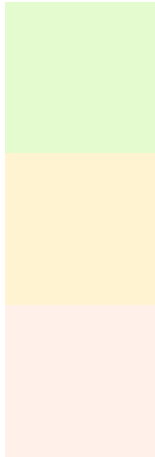


This preview shows how white text looks on a background with the Yxy color 90.0424, 0.3233, 0.3738.

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

90.0424, 0.3233, 0.3738

Protanopia

89.9646, 0.3420, 0.3628

Deuteranopia

89.5207, 0.3264, 0.3349



Tritanopia

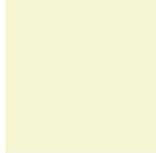
89.6719, 0.3031, 0.3171

Trichromacy



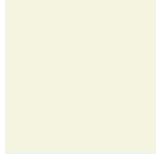
Original Color

90.0424, 0.3233, 0.3738



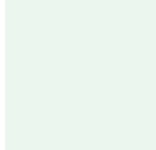
Protanomaly

89.9275, 0.3346, 0.3665



Deuteranomaly

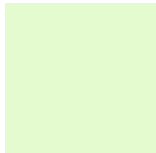
89.5501, 0.3250, 0.3481



Tritanomaly

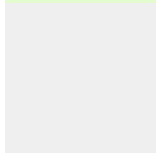
89.7467, 0.3104, 0.3371

Monochromacy



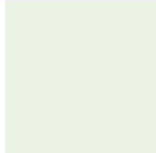
Original Color

90.0424, 0.3233, 0.3738



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.3648, 0.3166, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0424, 0.3233, 0.3738 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(228, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 251, 208) }
```

Border

The CSS property to change the border of an element to Yxy 90.0424, 0.3233, 0.3738 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(228, 251, 208) }
```

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

```
.border{ border-color:rgb(228, 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(228, 251, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 251, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 251, 208);  
box-shadow:4px 4px 4px 4px rgb(228, 251,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0424, 0.3233, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 251, 208) }
```

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

```
.background{ background-color: rgb(228,  
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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