

Converting Colors

$Yxy(90.6565, 0.3007, 0.3394)$

Have a look what the booklet for
Yxy(90.6565, 0.3007, 0.3394)
contains.

Yxy(90.8748, 0.3005, 0.3392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.8748, 0.3005, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	DEFBF1
RGB	222, 251, 241
RGB Percent	87%, 98%, 95%
CMY	0.1293, 0.0157, 0.0548
CMYK	0.12, 0.00, 0.04, 0.02
HSL	159°, 78%, 93%
HSV	159°, 12%, 98%
XYZ	80.5067, 90.8748, 96.5277
YIQ	241.1890, -14.0740, -9.2580

Conversions

Conversions Part 2

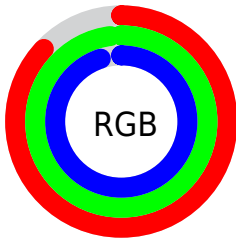
Format	Color
R _Y B	222, 240, 251
Decimal	14613489
CIE Lab	96.36, -11.22, 1.59
CIE LCh	96, 11.336, 171.927
Yxy	90.8748, 0.3005, 0.3392
Android (android.graphics.Color)	4292803569 (0xFFDEFBF1)
YUV	241.1890, -0.0932, -16.8288
Hunter-Lab	95.3283, -16.0775, 6.6938

Details

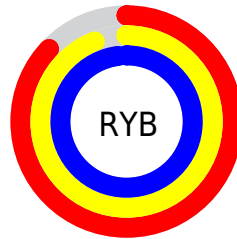
The Yxy color **90.8748, 0.3005, 0.3392** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.5941, 0.3267, 0.3190**, and the grayscale version is **88.1354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3018, 0.2980, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **86.7005, 0.2904, 0.3491**, and if you desaturate by 10%, it is **95.6713, 0.3111, 0.3303**.

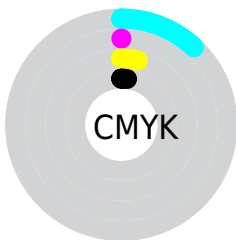
Distribution



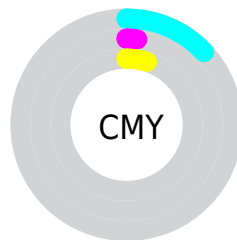
- Red (87%)
- Green (98%)
- Blue (95%)



- Red (87%)
- Yellow (94%)
- Blue (98%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (13%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8748, 0.3005, 0.3392 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 90.8748, 0.3005, 0.3392 by changing the saturation by 10% instead.

 90.8748, 0.3005,
0.3392

 90.8748, 0.3005,
0.3392


530.8724, 0.3059,
0.3346

 68.7064, 0.2993,
0.3402


148.5529, 0.3024,
0.3376

 50.4727, 0.2978,
0.3414


184.8315, 0.3031,
0.3370

 35.7891, 0.2960,
0.3430


226.5822, 0.3037,
0.3365

 24.2714, 0.2937,
0.3449

274.1895, 0.3043,
0.3360

 15.5350, 0.2906,
0.3475

328.0378, 0.3048,
0.3356

 9.1957, 0.2864,
0.3511

388.5115, 0.3052,

 4.8691, 0.2801,

0.3353

0.3565

455.9949, 0.3056,
0.3349

■ 2.1707, 0.2700,
0.3653

■ 0.7039, 0.2252,
0.4013

■ 90.8748, 0.3005,
0.3392

■ 90.8748, 0.3005,
0.3392

■ 86.7005, 0.2904,
0.3491

■ 95.6713, 0.3111,
0.3303

■ 83.1105, 0.2810,
0.3599

■ 97.4724, 0.3129,
0.3252

■ 80.0806, 0.2726,
0.3715

■ 77.5799, 0.2656,
0.3840

■ 75.5749, 0.2602,
0.3970

■ 74.0280, 0.2568,
0.4103

■ 72.8958, 0.2554,
0.4238

■ 72.1264, 0.2560,
0.4371

■ 71.6913, 0.2578,
0.4482

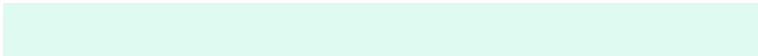
Harmonies

Analogous

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



90.8748, 0.3128, 0.3479



90.8748, 0.3005, 0.3392



90.8748, 0.2916, 0.3277

Triad

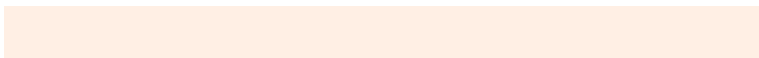
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8748, 0.3005, 0.3392



90.8748, 0.3000, 0.3075



90.8748, 0.3378, 0.3404

Complementary

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



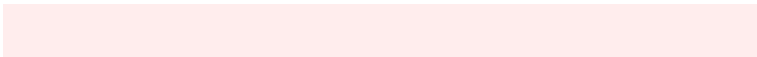
90.8748, 0.3005, 0.3392



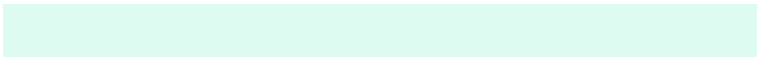
78.5941, 0.3267, 0.3190

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.



90.8748, 0.3343, 0.3297



90.8748, 0.3005, 0.3392



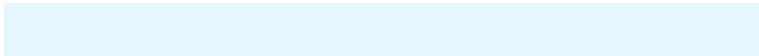
90.8748, 0.3123, 0.3110

Square

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



90.8748, 0.3005, 0.3392



90.8748, 0.2913, 0.3096



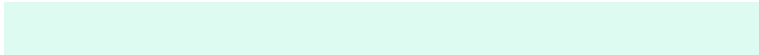
90.8748, 0.3249, 0.3191



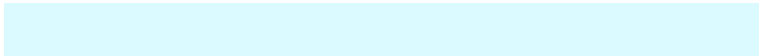
90.8748, 0.3344, 0.3484

Rectangle

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



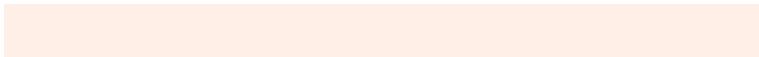
90.8748, 0.3005, 0.3392



90.8748, 0.2887, 0.3202



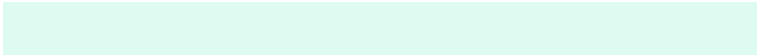
90.8748, 0.3249, 0.3191



90.8748, 0.3374, 0.3370

Sweetspot

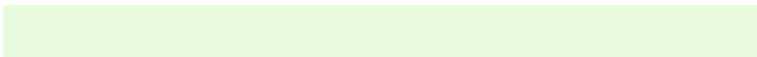
The Sweet Spot groups the original color and five complimentary colors.



90.8786, 0.3005, 0.3392



98.4092, 0.3095, 0.3315



91.4520, 0.3177, 0.3587



20.9748, 0.3086, 0.3322



0.0000, 0.0000, 0.0000



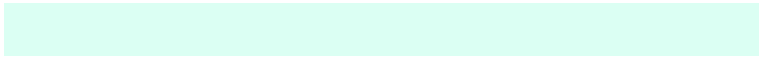
21.4041, 0.3127, 0.3290

Same Dimension

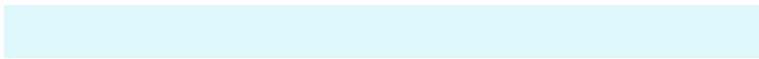
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8786, 0.3005, 0.3392



93.0795, 0.2979, 0.3416



88.8080, 0.2949, 0.3245



19.5010, 0.3026, 0.3373



37.7134, 0.2572, 0.4460



3.5128, 0.2529, 0.4303

Inverse Universe

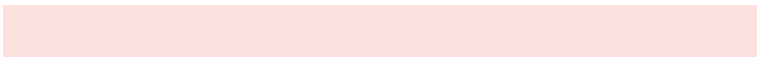
The Inverse Universe completely reimagines the original color for something new.



78.5941, 0.3267, 0.3190



77.8833, 0.3301, 0.3168



80.3813, 0.3330, 0.3334



17.3239, 0.3240, 0.3209



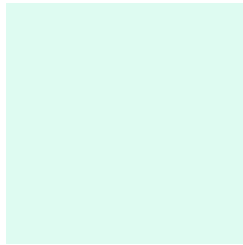
11.1624, 0.5602, 0.2860



1.0529, 0.5270, 0.2677

Previews

White Background



This preview shows how the Yxy color 90.8748, 0.3005, 0.3392 looks on a white background.

Color Contrast Check

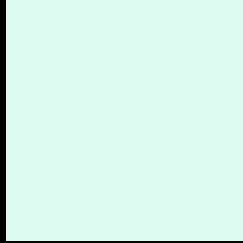
Large Text (above 18pt) WCAG AA × Fail

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 90.8748, 0.3005, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

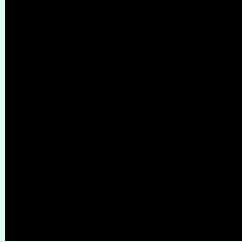
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

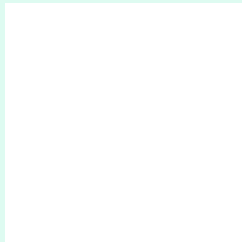
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8748, 0.3005, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 90.8748, 0.3005, 0.3392.

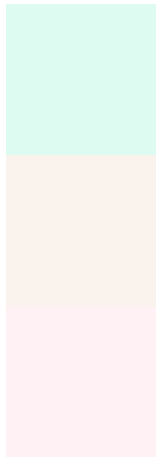


This preview shows how white text looks on a background with the Yxy color 90.8748, 0.3005, 0.3392.

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

90.8748, 0.3005, 0.3392

Protanopia

90.5396, 0.3210, 0.3349

Deuteranopia

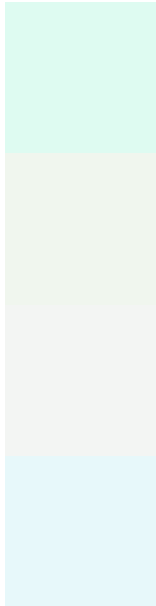
90.7022, 0.3201, 0.3261



Tritanopia

90.9644, 0.3012, 0.3201

Trichromacy



Original Color

90.8748, 0.3005, 0.3392

Protanomaly

90.6098, 0.3136, 0.3370

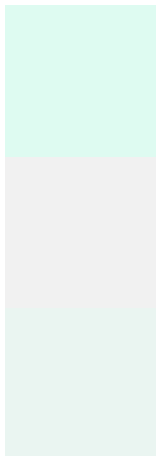
Deuteranomaly

90.8306, 0.3126, 0.3310

Tritanomaly

91.0259, 0.3009, 0.3270

Monochromacy



Original Color

90.8748, 0.3005, 0.3392

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

89.1481, 0.3080, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8748, 0.3005, 0.3392 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(222, 251, 241)` looks like.

```
.text, #text, p{  
    color:rgb(222, 251, 241)  
}
```

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(222, 251, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 251, 241) }
```

Border

The CSS property to change the border of an element to Yxy 90.8748, 0.3005, 0.3392 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(222, 251, 241) }
```

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

```
.border{ border-color:rgb(222, 251, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 251, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 251, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 251, 241);  
box-shadow:4px 4px 4px 4px rgb(222, 251,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8748, 0.3005, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 251, 241) }
```

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

```
.background{ background-color: rgb(222,  
251, 241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor