

Converting Colors

$Yxy(90.2374, 0.3276, 0.3691)$

Have a look what the booklet for
Yxy(90.2374, 0.3276, 0.3691)
contains.

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Color

Yxy(90.2374, 0.3276, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	ECF9D2
RGB	236, 249, 210
RGB Percent	93%, 98%, 82%
CMY	0.0746, 0.0235, 0.1766
CMYK	0.05, 0.00, 0.16, 0.02
HSL	80°, 77%, 90%
HSV	80°, 16%, 98%
XYZ	80.0915, 90.2374, 74.1506
YIQ	240.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

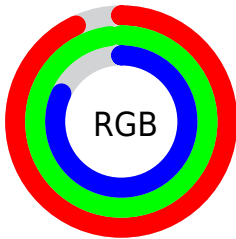
Format	Color
R _Y B	210, 249, 223
Decimal	15530450
CIE Lab	96.10, -10.90, 17.31
CIE LCh	96, 20.455, 122.211
Yxy	90.2374, 0.3276, 0.3691
Android (android.graphics.Color)	4293720530 (0xFFE9F9D2)
YUV	240.6670, -15.1188, -4.0930
Hunter-Lab	94.9934, -15.7402, 20.2143

Details

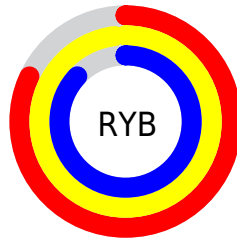
The Yxy color $90.2374, 0.3276, 0.3691$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $68.6109, 0.2961, 0.2879$, and the grayscale version is $87.8040, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $50.2098, 0.3309, 0.3792$ is the 20% darker color. If you saturate the color by 10%, you get $87.7048, 0.3370, 0.3965$, and if you desaturate by 10%, it is $93.0373, 0.3181, 0.3430$.

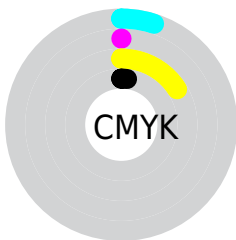
Distribution



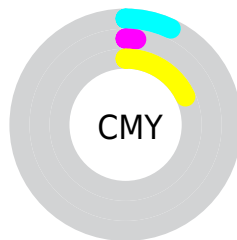
- Red (93%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (87%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2374, 0.3276, 0.3691 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 90.2374, 0.3276, 0.3691 by changing the saturation by 10% instead.


 90.2374, 0.3276,
0.3691

 90.2374, 0.3276,
0.3691


528.8028, 0.3212,
0.3509

 68.1776, 0.3290,
0.3732

147.6681, 0.3254,
0.3629

 50.0422, 0.3306,
0.3781


183.8078, 0.3246,
0.3604

 35.4469, 0.3326,
0.3844


225.4095, 0.3238,
0.3583

 24.0074, 0.3351,
0.3924

272.8577, 0.3232,
0.3564

 15.3391, 0.3382,
0.4031

326.5367, 0.3226,
0.3548

 9.0577, 0.3423,
0.4181

386.8309, 0.3221,

 4.7788, 0.3477,

0.3534

0.4405

454.1249, 0.3216,
0.3521

■ 2.1181, 0.3559,
0.4790

■ 0.6748, 0.3573,
0.6427

■ 90.2374, 0.3276,
0.3691

■ 90.2374, 0.3276,
0.3691

■ 87.7048, 0.3370,
0.3965

■ 93.0373, 0.3181,
0.3430

■ 85.4179, 0.3458,
0.4247

■ 95.7903, 0.3115,
0.3233

■ 83.3701, 0.3537,
0.4526

■ 96.2408, 0.3130,
0.3233

■ 81.5500, 0.3600,
0.4792

■ 79.9451, 0.3643,
0.5031

■ 78.5413, 0.3662,
0.5231

■ 77.3222, 0.3655,
0.5384

■ 76.2680, 0.3625,
0.5485

■ 75.8509, 0.3607,
0.5518

Harmonies

Analogous

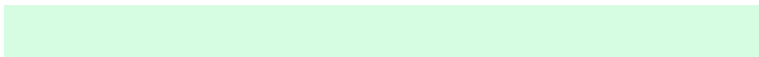
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2374, 0.3472, 0.3670



90.2374, 0.3276, 0.3691



90.2374, 0.3046, 0.3593

Triad

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



90.2374, 0.3276, 0.3691



90.2374, 0.2697, 0.3012



90.2374, 0.3415, 0.3173

Complementary

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



90.2374, 0.3276, 0.3691



68.6109, 0.2961, 0.2879

Split Complementary

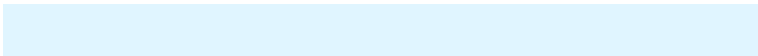
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2374, 0.3197, 0.3013



90.2374, 0.3276, 0.3691



90.2374, 0.2787, 0.2918

Square

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



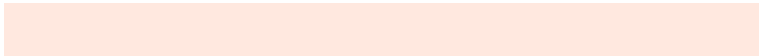
90.2374, 0.3276, 0.3691



90.2374, 0.2717, 0.3189



90.2374, 0.2968, 0.2920



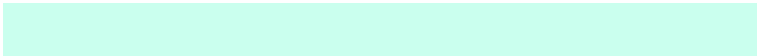
90.2374, 0.3555, 0.3366

Rectangle

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



90.2374, 0.3276, 0.3691



90.2374, 0.2904, 0.3474



90.2374, 0.2968, 0.2920



90.2374, 0.3348, 0.3114

Sweetspot

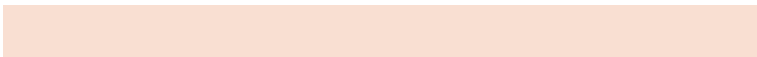
The Sweet Spot groups the original color and five complimentary colors.



90.2413, 0.3276, 0.3691



98.4071, 0.3174, 0.3413



77.5632, 0.3403, 0.3424



21.0165, 0.3181, 0.3431



0.0000, 0.0000, 0.0000



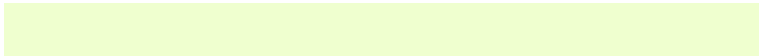
21.4041, 0.3127, 0.3290

Same Dimension

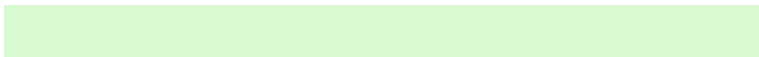
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2413, 0.3276, 0.3691



94.3220, 0.3308, 0.3782



87.0849, 0.3149, 0.3707



19.8834, 0.3217, 0.3528



40.6771, 0.3616, 0.5511



3.8254, 0.3686, 0.5456

Inverse Universe

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



68.6109, 0.2961, 0.2879



67.2734, 0.2921, 0.2783



71.8881, 0.3099, 0.2895



16.9246, 0.3031, 0.3048



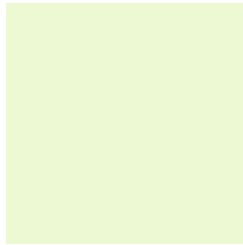
4.7187, 0.1745, 0.0735



0.4925, 0.1873, 0.0805

Previews

White Background



This preview shows how the Yxy color 90.2374, 0.3276, 0.3691 looks on a white background.

Color Contrast Check

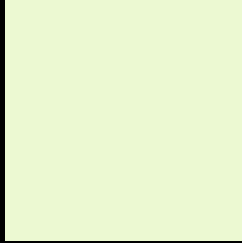
Large Text (above 18pt) WCAG AA × Fail

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 90.2374, 0.3276, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

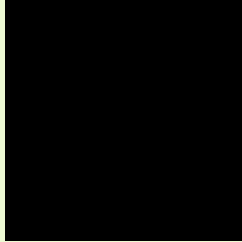
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

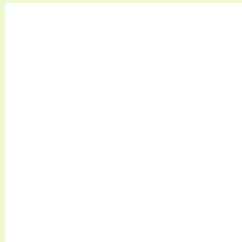
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2374, 0.3276, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 90.2374, 0.3276, 0.3691.

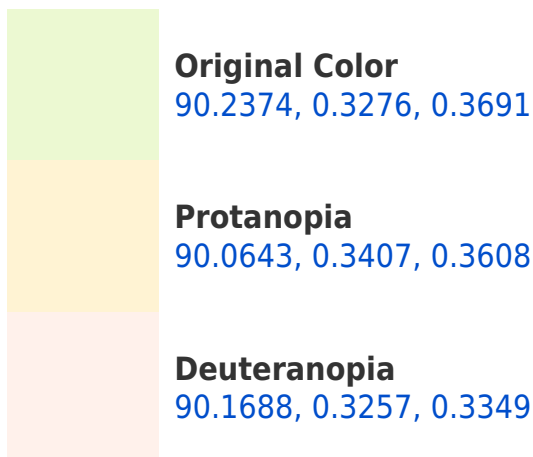


This preview shows how white text looks on a background with the Yxy color 90.2374, 0.3276, 0.3691.

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

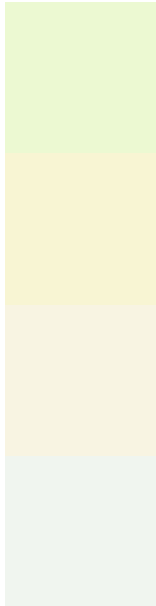




Tritanopia

89.7789, 0.3056, 0.3162

Trichromacy



Original Color

90.2374, 0.3276, 0.3691

Protanomaly

89.9644, 0.3356, 0.3632

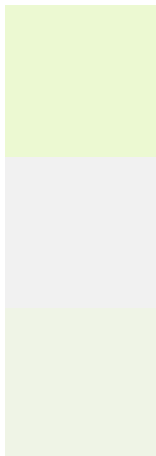
Deuteranomaly

90.1488, 0.3263, 0.3470

Tritanomaly

90.0621, 0.3131, 0.3350

Monochromacy



Original Color

90.2374, 0.3276, 0.3691

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.7653, 0.3179, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2374, 0.3276, 0.3691 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(236, 249, 210)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 210)  
}
```

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(236, 249, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 210) }
```

Border

The CSS property to change the border of an element to Yxy 90.2374, 0.3276, 0.3691 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(236, 249, 210) }
```

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

```
.border{ border-color:rgb(236, 249, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 249, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 249, 210); box-shadow:4px 4px 4px 4px rgb(236, 249, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2374, 0.3276, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 210) }
```

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

```
.background{ background-color: rgb(236,  
249, 210) }
```

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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