

Converting Colors

$Y_{xy}(100.0000, 0.4008, 0.4071)$

Have a look what the booklet for
Yxy(100.0000, 0.4008, 0.4071)
contains.

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Color

Yxy(90.9329, 0.3712, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	FFF8A0
RGB	255, 248, 160
RGB Percent	100%, 97%, 63%
CMY	0.0000, 0.0275, 0.3724
CMYK	0.00, 0.03, 0.37, 0.00
HSL	56°, 100%, 81%
HSV	56°, 37%, 100%
XYZ	81.1596, 90.9329, 46.5487
YIQ	240.0610, 32.4200, -25.8840

Conversions

Conversions Part 2

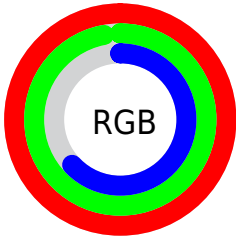
Format	Color
RYB	168, 255, 160
Decimal	16775328
CIELab	96.38, -10.05, 43.10
CIELCh	96, 44.254, 103.128
Yxy	90.9329, 0.3712, 0.4159
Android (android.graphics.Color)	4294965408 (0xFFFFF8A0)
YUV	240.0610, -39.4701, 13.1015
Hunter-Lab	95.3587, -14.9568, 37.8091

Details

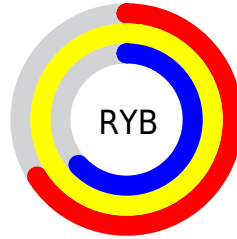
The Yxy color **90.9329, 0.3712, 0.4159** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.3496, 0.2453, 0.2240**, and the grayscale version is **87.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **50.6311, 0.3822, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **88.9807, 0.3864, 0.4376**, and if you desaturate by 10%, it is **93.0819, 0.3553, 0.3927**.

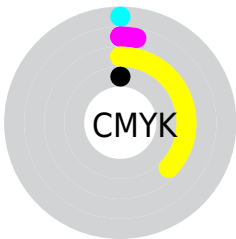
Distribution



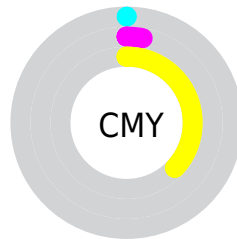
- Red (100%)
- Green (97%)
- Blue (63%)



- Red (66%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (3%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9329, 0.3712, 0.4159 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 90.9329, 0.3712, 0.4159 by changing the saturation by 10% instead.


 90.9329, 0.3712,
0.4159


 90.9329, 0.3712,
0.4159


531.0609, 0.3463,
0.3772

 68.7546, 0.3763,
0.4242


 148.6336, 0.3630,
0.4029

 50.5119, 0.3823,
0.4342


 184.9247, 0.3597,
0.3977

 35.8203, 0.3893,
0.4464


226.6890, 0.3568,
0.3931

 24.2955, 0.3976,
0.4615

274.3108, 0.3542,
0.3892

 15.5529, 0.4072,
0.4803

328.1745, 0.3519,
0.3857

 9.2084, 0.4177,
0.5039

388.6645, 0.3498,

 4.8773, 0.4368,

0.3825

0.5446

456.1652, 0.3480,
0.3797

■ 2.1755, 0.4317,
0.5683

■ 0.7066, 0.3762,
0.6238

■ 90.9329, 0.3712,
0.4159

■ 90.9329, 0.3712,
0.4159

■ 88.9807, 0.3864,
0.4376

■ 93.0819, 0.3553,
0.3927

■ 87.2107, 0.4003,
0.4568

■ 95.4348, 0.3392,
0.3690

■ 85.6116, 0.4122,
0.4725

■ 98.0023, 0.3236,
0.3455

■ 84.1691, 0.4216,
0.4841

100.0000, 0.3127,
0.3290

■ 82.8664, 0.4283,
0.4912

■ 81.6820, 0.4323,
0.4940

■ 81.3669, 0.4331,
0.4943

Harmonies

Analogous

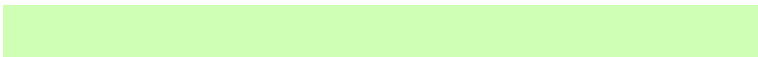
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9329, 0.4035, 0.3925



90.9329, 0.3712, 0.4159



90.9329, 0.3246, 0.4144

Triad

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



90.9329, 0.3712, 0.4159



90.9329, 0.2236, 0.2894



90.9329, 0.3450, 0.2823

Complementary

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



90.9329, 0.3712, 0.4159



42.3496, 0.2453, 0.2240

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.



90.9329, 0.2946, 0.2585



90.9329, 0.3712, 0.4159



90.9329, 0.2279, 0.2599

Square

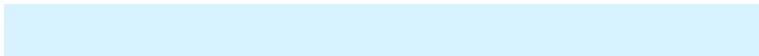
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9329, 0.3712, 0.4159



90.9329, 0.2407, 0.3349



90.9329, 0.2527, 0.2500



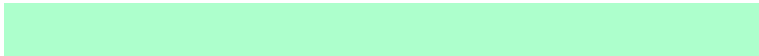
90.9329, 0.3890, 0.3169

Rectangle

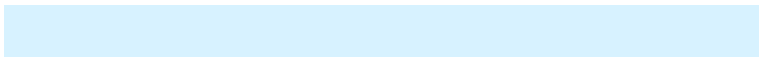
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9329, 0.3712, 0.4159



90.9329, 0.2921, 0.3965



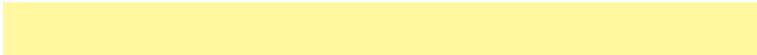
90.9329, 0.2527, 0.2500



90.9329, 0.3281, 0.2729

Sweetspot

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



90.9339, 0.3712, 0.4159



97.0110, 0.3294, 0.3543



49.2406, 0.3968, 0.3209



20.6895, 0.3315, 0.3575



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

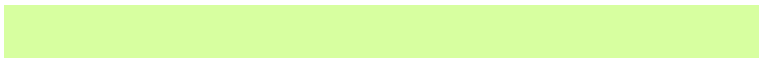
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9339, 0.3712, 0.4159



89.4017, 0.3831, 0.4329



88.5722, 0.3419, 0.4310



20.8479, 0.3271, 0.3508



42.6128, 0.4329, 0.4945



4.2147, 0.4311, 0.4959

Inverse Universe

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



42.3496, 0.2453, 0.2240



34.2202, 0.2290, 0.1979



44.6004, 0.2727, 0.2238



17.5927, 0.2978, 0.3062



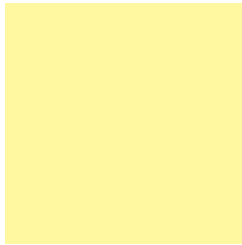
4.0893, 0.1513, 0.0645



0.4693, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 90.9329, 0.3712, 0.4159 looks on a white background.

Color Contrast Check

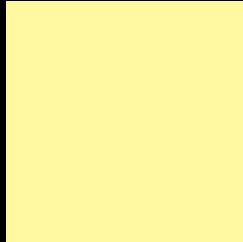
Large Text (above 18pt) WCAG AA × Fail

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 90.9329, 0.3712, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

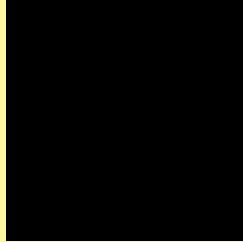
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.9329, 0.3712, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 90.9329, 0.3712, 0.4159.

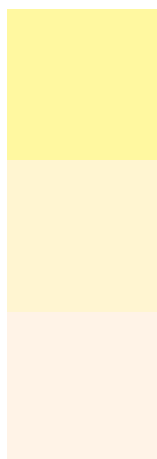


This preview shows how white text looks on a background with the Yxy color 90.9329, 0.3712, 0.4159.

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

90.9329, 0.3712, 0.4159

Protanopia

91.1683, 0.3416, 0.3647

Deuteranopia

91.1307, 0.3280, 0.3408



Tritanopia

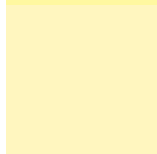
91.0727, 0.3164, 0.3203

Trichromacy



Original Color

90.9329, 0.3712, 0.4159



Protanomaly

90.9331, 0.3528, 0.3837



Deuteranomaly

90.9726, 0.3442, 0.3687



Tritanomaly

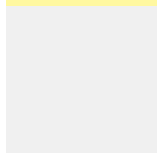
90.9711, 0.3367, 0.3557

Monochromacy



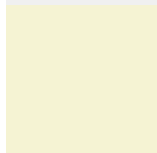
Original Color

90.9329, 0.3712, 0.4159



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.2168, 0.3338, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9329, 0.3712, 0.4159 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(255, 248, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 160)  
}
```

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(255, 248, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 160) }
```

Border

The CSS property to change the border of an element to Yxy 90.9329, 0.3712, 0.4159 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(255, 248, 160) }
```

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

```
.border{ border-color:rgb(255, 248, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9329, 0.3712, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 160) }
```

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

```
.background{ background-color: rgb(255,  
248, 160) }
```

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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