

Converting Colors

$Y_{xy}(100.0000, 0.3945, 0.3902)$

Have a look what the booklet for
Yxy(100.0000, 0.3945, 0.3902)
contains.

Yxy(90.3061, 0.3621, 0.3987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.3061, 0.3621, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6B0
RGB	255, 246, 176
RGB Percent	100%, 96%, 69%
CMY	0.0002, 0.0352, 0.3098
CMYK	0.00, 0.03, 0.31, 0.00
HSL	53°, 100%, 84%
HSV	53°, 31%, 100%
XYZ	82.0161, 90.3061, 54.1791
YIQ	240.7110, 27.8340, -19.8620

Conversions

Conversions Part 2

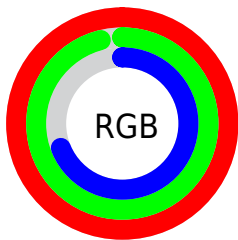
Format	Color
R _Y B	186, 255, 176
Decimal	16774832
CIE Lab	96.12, -7.27, 34.83
CIE LCh	96, 35.583, 101.794
Yxy	90.3061, 0.3621, 0.3987
Android (android.graphics.Color)	4294964912 (0xFFFFF6B0)
YUV	240.7110, -31.9025, 12.5315
Hunter-Lab	95.0295, -12.2455, 32.7177

Details

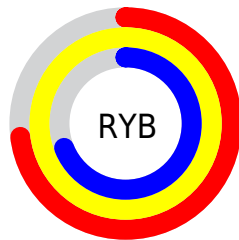
The Yxy color **90.3061, 0.3621, 0.3987** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.1082, 0.2586, 0.2481**, and the grayscale version is **87.9598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **50.1273, 0.3715, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **87.6552, 0.3785, 0.4207**, and if you desaturate by 10%, it is **93.1818, 0.3456, 0.3759**.

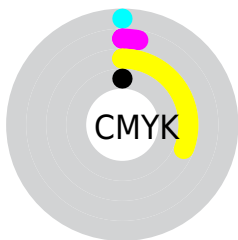
Distribution



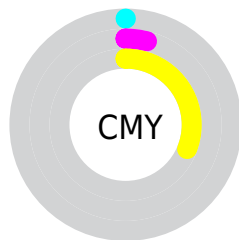
- Red (100%)
- Green (96%)
- Blue (69%)



- Red (73%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (3%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3061, 0.3621, 0.3987 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 90.3061, 0.3621, 0.3987 by changing the saturation by 10% instead.


 90.3061, 0.3621,
0.3987

 90.3061, 0.3621,
0.3987


529.0261, 0.3407,
0.3675

 68.2345, 0.3666,
0.4055


 147.7635, 0.3550,
0.3881

 50.0886, 0.3720,
0.4137


183.9182, 0.3521,
0.3840

 35.4838, 0.3785,
0.4238


225.5360, 0.3496,
0.3803

 24.0358, 0.3863,
0.4364

273.0013, 0.3474,
0.3771

 15.3602, 0.3960,
0.4526

326.6986, 0.3454,
0.3743

 9.0725, 0.4079,
0.4737

387.0122, 0.3437,

 4.7885, 0.4225,

0.3718

0.5026

454.3266, 0.3421,
0.3696

■ 2.1237, 0.4470,
0.5530

■ 0.6779, 0.4078,
0.5922

■ 90.3061, 0.3621,
0.3987

■ 90.3061, 0.3621,
0.3987

■ 87.6552, 0.3785,
0.4207

■ 93.1818, 0.3456,
0.3759

■ 85.2062, 0.3942,
0.4410

■ 96.2801, 0.3295,
0.3532

■ 82.9512, 0.4085,
0.4586

■ 99.6142, 0.3141,
0.3311

■ 80.8772, 0.4207,
0.4724

■ 99.9892, 0.3127,
0.3290

■ 78.9690, 0.4303,
0.4819

■ 77.2085, 0.4371,
0.4868

■ 75.7196, 0.4411,
0.4879

Harmonies

Analogous

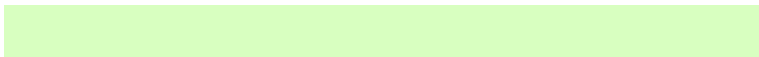
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3061, 0.3870, 0.3803



90.3061, 0.3621, 0.3987



90.3061, 0.3248, 0.3974

Triad

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



90.3061, 0.3621, 0.3987



90.3061, 0.2400, 0.2991



90.3061, 0.3373, 0.2897

Complementary

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



90.3061, 0.3621, 0.3987



51.1082, 0.2586, 0.2481

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.



90.3061, 0.2967, 0.2704



90.3061, 0.3621, 0.3987



90.3061, 0.2427, 0.2738

Square

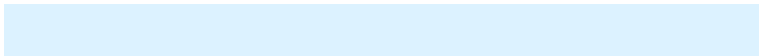
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3061, 0.3621, 0.3987



90.3061, 0.2552, 0.3360



90.3061, 0.2627, 0.2643



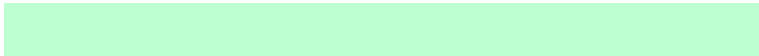
90.3061, 0.3728, 0.3183

Rectangle

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



90.3061, 0.3621, 0.3987



90.3061, 0.2983, 0.3837



90.3061, 0.2627, 0.2643



90.3061, 0.3237, 0.2820

Sweetspot

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



90.3102, 0.3621, 0.3987



96.9660, 0.3264, 0.3488



55.8098, 0.3751, 0.3195



20.6536, 0.3287, 0.3520



0.0000, 0.0000, 0.0000



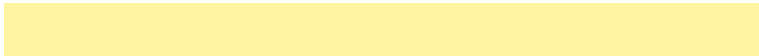
21.4041, 0.3127, 0.3290

Same Dimension

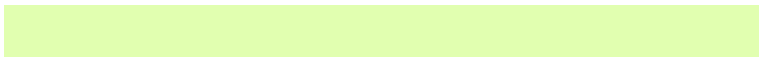
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3102, 0.3621, 0.3987



88.7280, 0.3720, 0.4121



90.5743, 0.3392, 0.4122



20.7195, 0.3272, 0.3499



39.7253, 0.4407, 0.4883



3.9634, 0.4379, 0.4905

Inverse Universe

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



51.1082, 0.2586, 0.2481



44.0033, 0.2465, 0.2293



51.4244, 0.2789, 0.2427



17.7080, 0.2979, 0.3072



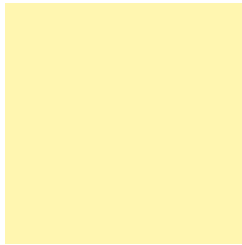
4.3314, 0.1522, 0.0679



0.5237, 0.1561, 0.0821

Previews

White Background



This preview shows how the Yxy color 90.3061, 0.3621, 0.3987 looks on a white background.

Color Contrast Check

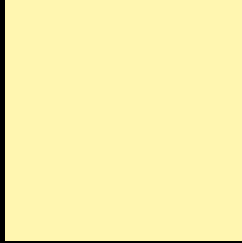
Large Text (above 18pt) WCAG AA × Fail

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 90.3061, 0.3621, 0.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

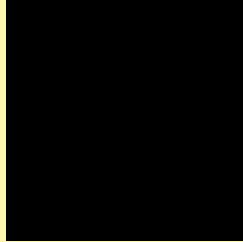
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3061, 0.3621, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 90.3061, 0.3621, 0.3987.

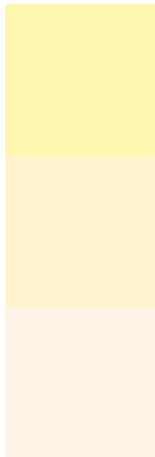


This preview shows how white text looks on a background with the Yxy color 90.3061, 0.3621, 0.3987.

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

90.3061, 0.3621, 0.3987

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

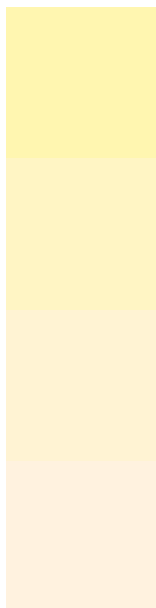
90.5338, 0.3281, 0.3398



Tritanopia

90.4823, 0.3164, 0.3194

Trichromacy



Original Color

90.3061, 0.3621, 0.3987

Protanomaly

90.5503, 0.3499, 0.3778

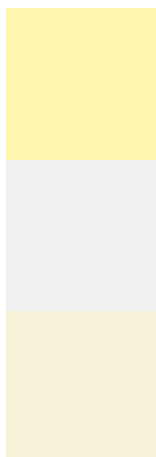
Deuteranomaly

90.0643, 0.3407, 0.3608

Tritanomaly

90.0920, 0.3332, 0.3478

Monochromacy



Original Color

90.3061, 0.3621, 0.3987

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.7038, 0.3307, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3061, 0.3621, 0.3987 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, 246, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 176)  
}
```

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, 246, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 176) }
```

Border

The CSS property to change the border of an element to Yxy 90.3061, 0.3621, 0.3987 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, 246, 176) }
```

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

```
.border{ border-color:rgb(255, 246, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3061, 0.3621, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 176) }
```

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

```
.background{ background-color: rgb(255,  
246, 176) }
```

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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