

Converting Colors

$Yxy(90.7385, 0.3661, 0.4036)$

Have a look what the booklet for
Yxy(90.7385, 0.3661, 0.4036)
contains.

Yxy(90.7218, 0.3649, 0.4045)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.7218, 0.3649, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7AB
RGB	255, 247, 171
RGB Percent	100%, 97%, 67%
CMY	0.0001, 0.0313, 0.3295
CMYK	0.00, 0.03, 0.33, 0.00
HSL	54°, 100%, 84%
HSV	54°, 33%, 100%
XYZ	81.8403, 90.7218, 51.7193
YIQ	240.7280, 29.1640, -21.9400

Conversions

Conversions Part 2

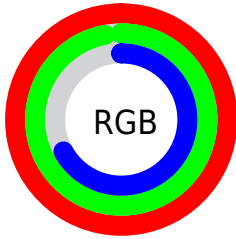
Format	Color
RYB	180, 255, 171
Decimal	16775083
CIELab	96.30, -8.35, 37.56
CIELCh	96, 38.482, 102.538
Yxy	90.7218, 0.3649, 0.4045
Android (android.graphics.Color)	4294965163 (0xFFFFF7AB)
YUV	240.7280, -34.3759, 12.5165
Hunter-Lab	95.2480, -13.3108, 34.4794

Details

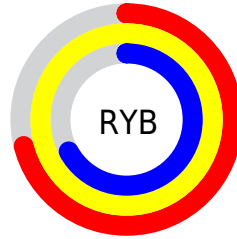
The Yxy color **90.7218, 0.3649, 0.4045** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.0879, 0.2545, 0.2402**, and the grayscale version is **87.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **50.4399, 0.3748, 0.4208** is the 20% darker color. If you saturate the color by 10%, you get **88.3798, 0.3809, 0.4266**, and if you desaturate by 10%, it is **93.2787, 0.3486, 0.3814**.

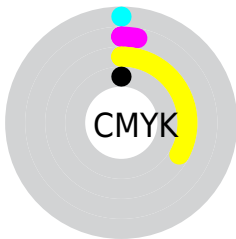
Distribution



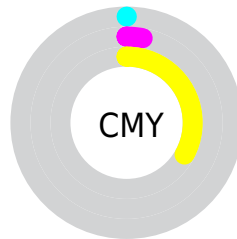
- Red (100%)
- Green (97%)
- Blue (67%)



- Red (71%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7218, 0.3649, 0.4045 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 90.7218, 0.3649, 0.4045 by changing the saturation by 10% instead.


 90.7218, 0.3649,
0.4045

 90.7218, 0.3649,
0.4045


530.3760, 0.3424,
0.3708

 68.5795, 0.3696,
0.4118


 148.3406, 0.3574,
0.3931

 50.3693, 0.3752,
0.4206


184.5858, 0.3544,
0.3886

 35.7069, 0.3818,
0.4315


226.3009, 0.3518,
0.3846

 24.2079, 0.3898,
0.4450

273.8700, 0.3495,
0.3812

 15.4879, 0.3995,
0.4621

327.6777, 0.3474,
0.3781

 9.1625, 0.4110,
0.4843

388.1084, 0.3456,

 4.8474, 0.4261,

0.3754

0.5160

455.5463, 0.3439,
0.3730

■ 2.1580, 0.4412,
0.5588

■ 0.6969, 0.3968,
0.6032

■ 90.7218, 0.3649,
0.4045

■ 90.7218, 0.3649,
0.4045

■ 88.3798, 0.3809,
0.4266

■ 93.2787, 0.3486,
0.3814

■ 86.2294, 0.3959,
0.4467

■ 96.0480, 0.3325,
0.3582

■ 84.2627, 0.4093,
0.4638

■ 99.0433, 0.3171,
0.3355

■ 82.4662, 0.4205,
0.4770

99.9929, 0.3127,
0.3290

■ 80.8244, 0.4290,
0.4858

■ 79.3185, 0.4347,
0.4901

■ 78.3171, 0.4373,
0.4910

Harmonies

Analogous

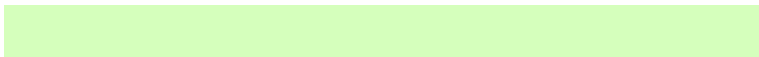
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7218, 0.3924, 0.3847



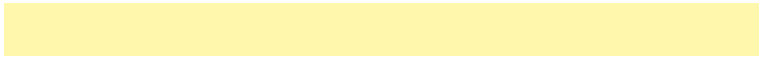
90.7218, 0.3649, 0.4045



90.7218, 0.3244, 0.4028

Triad

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



90.7218, 0.3649, 0.4045



90.7218, 0.2345, 0.2956



90.7218, 0.3402, 0.2874

Complementary

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



90.7218, 0.3649, 0.4045



48.0879, 0.2545, 0.2402

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.



90.7218, 0.2963, 0.2665



90.7218, 0.3649, 0.4045



90.7218, 0.2378, 0.2690

Square

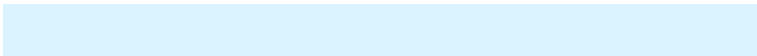
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.7218, 0.3649, 0.4045



90.7218, 0.2502, 0.3354



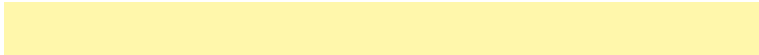
90.7218, 0.2596, 0.2595



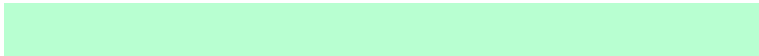
90.7218, 0.3784, 0.3181

Rectangle

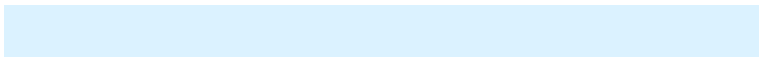
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.7218, 0.3649, 0.4045



90.7218, 0.2959, 0.3877



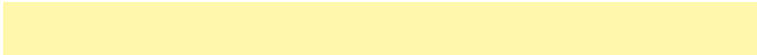
90.7218, 0.2596, 0.2595



90.7218, 0.3255, 0.2791

Sweetspot

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



90.7259, 0.3649, 0.4045



96.9356, 0.3279, 0.3514



53.6452, 0.3820, 0.3204



20.6600, 0.3301, 0.3547



0.0000, 0.0000, 0.0000



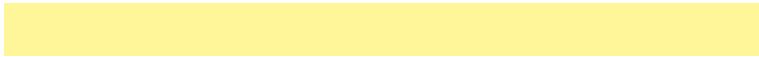
21.4041, 0.3127, 0.3290

Same Dimension

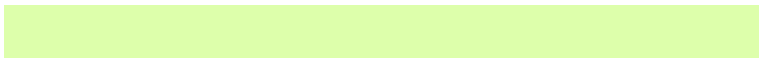
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7259, 0.3649, 0.4045



89.0772, 0.3763, 0.4203



89.8670, 0.3398, 0.4181



20.7795, 0.3271, 0.3503



41.0565, 0.4370, 0.4912



4.0795, 0.4347, 0.4930

Inverse Universe

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



48.0879, 0.2545, 0.2402



40.0623, 0.2400, 0.2174



49.2588, 0.2773, 0.2369



17.6540, 0.2979, 0.3068



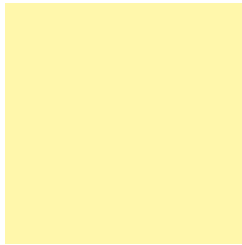
4.2082, 0.1517, 0.0662



0.4982, 0.1552, 0.0786

Previews

White Background



This preview shows how the Yxy color 90.7218, 0.3649, 0.4045 looks on a white background.

Color Contrast Check

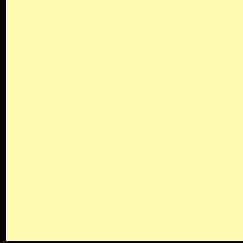
Large Text (above 18pt) WCAG AA × Fail

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 90.7218, 0.3649, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

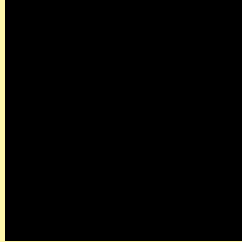
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7218, 0.3649, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 90.7218, 0.3649, 0.4045.

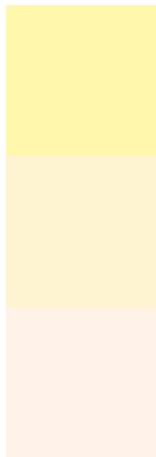


This preview shows how white text looks on a background with the Yxy color 90.7218, 0.3649, 0.4045.

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

90.7218, 0.3649, 0.4045

Protanopia

90.5648, 0.3418, 0.3637

Deuteranopia

90.5338, 0.3281, 0.3398



Tritanopia

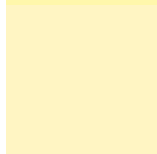
90.4823, 0.3164, 0.3194

Trichromacy



Original Color

90.7218, 0.3649, 0.4045



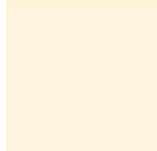
Protanomaly

90.5049, 0.3505, 0.3788



Deuteranomaly

90.5648, 0.3418, 0.3637



Tritanomaly

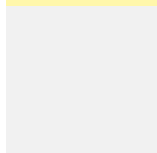
90.5816, 0.3343, 0.3507

Monochromacy



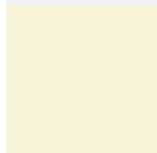
Original Color

90.7218, 0.3649, 0.4045



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

88.6519, 0.3313, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7218, 0.3649, 0.4045 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, 247, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 171)  
}
```

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, 247, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 171) }
```

Border

The CSS property to change the border of an element to Yxy 90.7218, 0.3649, 0.4045 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, 247, 171) }
```

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

```
.border{ border-color:rgb(255, 247, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7218, 0.3649, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 171) }
```

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

```
.background{ background-color: rgb(255,  
247, 171) }
```

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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