

Converting Colors

$Yxy(89.8801, 0.3758, 0.4214)$

Have a look what the booklet for
Yxy(89.8801, 0.3758, 0.4214)
contains.

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Color

Yxy(90.0814, 0.3757, 0.4217)

Conversions

Conversions Part 1

Format	Color
Hex	FFF799
RGB	255, 247, 153
RGB Percent	100%, 97%, 60%
CMY	0.0000, 0.0314, 0.4001
CMYK	0.00, 0.03, 0.40, 0.00
HSL	55°, 100%, 80%
HSV	55°, 40%, 100%
XYZ	80.2551, 90.0814, 43.2784
YIQ	238.6760, 34.9420, -27.5380

Conversions

Conversions Part 2

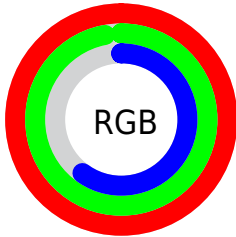
Format	Color
R_{YB}	162, 255, 153
Decimal	16775065
CIE _{Lab}	96.03, -10.30, 46.11
CIE _{LCh}	96, 47.243, 102.597
Yxy	90.0814, 0.3757, 0.4217
Android (android.graphics.Color)	4294965145 (0xFFFFFFFF799)
YUV	238.6760, -42.2383, 14.3161
Hunter-Lab	94.9112, -15.1584, 39.4023

Details

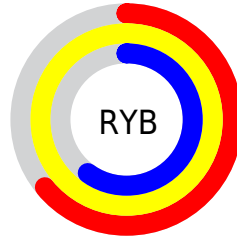
The Yxy color **90.0814, 0.3757, 0.4217** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.4664, 0.2396, 0.2153**, and the grayscale version is **86.3620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **50.0520, 0.3876, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **88.1101, 0.3907, 0.4427**, and if you desaturate by 10%, it is **92.2443, 0.3598, 0.3989**.

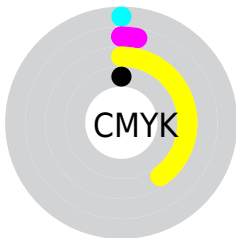
Distribution



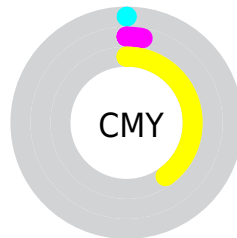
- Red (100%)
- Green (97%)
- Blue (60%)



- Red (64%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0814, 0.3757, 0.4217 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 90.0814, 0.3757, 0.4217 by changing the saturation by 10% instead.


 90.0814, 0.3757,
0.4217


 90.0814, 0.3757,
0.4217


528.2956, 0.3489,
0.3805

 68.0482, 0.3811,
0.4305


 147.4515, 0.3670,
0.4078

 49.9369, 0.3874,
0.4411


 183.5571, 0.3634,
0.4023

 35.3633, 0.3948,
0.4539


225.1222, 0.3603,
0.3975

 23.9428, 0.4033,
0.4696

272.5314, 0.3575,
0.3933

 15.2912, 0.4130,
0.4889

326.1689, 0.3550,
0.3895

 9.0240, 0.4232,
0.5127

386.4192, 0.3528,

 4.7569, 0.4436,

0.3862

0.5564

453.6666, 0.3508,
0.3832

■ 2.1053, 0.4296,
0.5704

■ 0.6676, 0.3646,
0.6354

■ 90.0814, 0.3757,
0.4217

■ 90.0814, 0.3757,
0.4217

■ 88.1101, 0.3907,
0.4427

■ 92.2443, 0.3598,
0.3989

■ 86.3211, 0.4042,
0.4610

■ 94.6117, 0.3437,
0.3754

■ 84.7007, 0.4156,
0.4756

■ 97.1925, 0.3279,
0.3519

■ 83.2340, 0.4244,
0.4859

99.9960, 0.3127,
0.3290

■ 81.9033, 0.4304,
0.4917

100.0000, 0.3127,
0.3290

■ 80.6813, 0.4340,
0.4936

Harmonies

Analogous

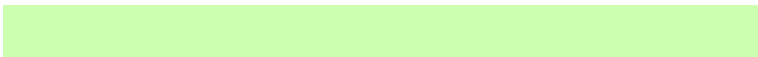
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0814, 0.4101, 0.3957



90.0814, 0.3757, 0.4217



90.0814, 0.3260, 0.4212

Triad

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



90.0814, 0.3757, 0.4217



90.0814, 0.2180, 0.2871



90.0814, 0.3462, 0.2787

Complementary

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



90.0814, 0.3757, 0.4217



39.4664, 0.2396, 0.2153

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.



90.0814, 0.2923, 0.2537



90.0814, 0.3757, 0.4217



90.0814, 0.2222, 0.2556

Square

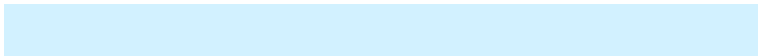
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0814, 0.3757, 0.4217



90.0814, 0.2364, 0.3360



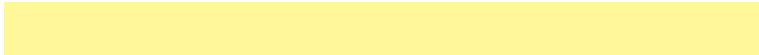
90.0814, 0.2481, 0.2450



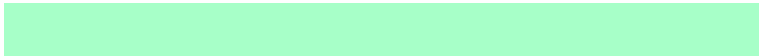
90.0814, 0.3938, 0.3151

Rectangle

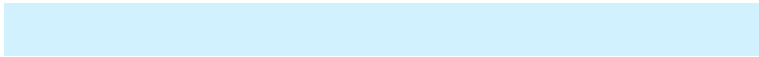
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0814, 0.3757, 0.4217



90.0814, 0.2913, 0.4025



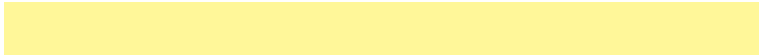
90.0814, 0.2481, 0.2450



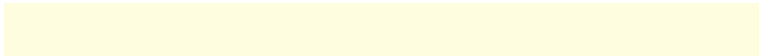
90.0814, 0.3281, 0.2688

Sweetspot

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



90.0806, 0.3757, 0.4217



96.6624, 0.3310, 0.3565



46.6209, 0.4061, 0.3203



20.6161, 0.3331, 0.3596



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.



90.0806, 0.3757, 0.4217



88.4919, 0.3878, 0.4387



87.8881, 0.3437, 0.4391



20.8326, 0.3271, 0.3507



42.2600, 0.4338, 0.4938



4.1841, 0.4319, 0.4952

Inverse Universe

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



39.4664, 0.2396, 0.2153



31.5785, 0.2228, 0.1883



41.6573, 0.2689, 0.2151



17.6064, 0.2978, 0.3064



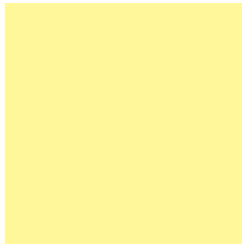
4.1141, 0.1514, 0.0649



0.4758, 0.1543, 0.0755

Previews

White Background



This preview shows how the Yxy color 90.0814, 0.3757, 0.4217 looks on a white background.

Color Contrast Check

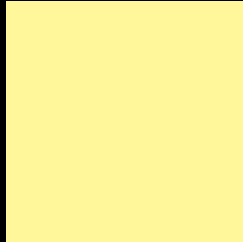
Large Text (above 18pt) WCAG AA × Fail

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 90.0814, 0.3757, 0.4217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

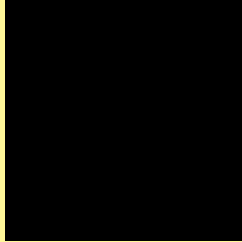
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0814, 0.3757, 0.4217

Background



This preview shows how black text looks on a background with the Yxy color 90.0814, 0.3757, 0.4217.

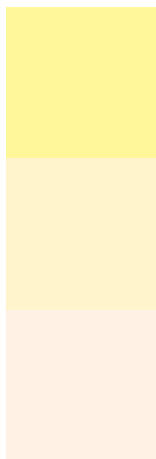


This preview shows how white text looks on a background with the Yxy color 90.0814, 0.3757, 0.4217.

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

90.0814, 0.3757, 0.4217

Protanopia

90.2732, 0.3456, 0.3698

Deuteranopia

89.7720, 0.3301, 0.3418



Tritanopia

89.7703, 0.3177, 0.3203

Trichromacy



Original Color

90.0814, 0.3757, 0.4217



Protanomaly

90.0676, 0.3568, 0.3888



Deuteranomaly

89.5782, 0.3471, 0.3709



Tritanomaly

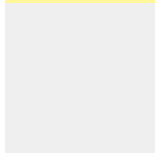
89.5684, 0.3396, 0.3578

Monochromacy



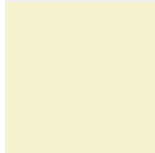
Original Color

90.0814, 0.3757, 0.4217



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.4708, 0.3359, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0814, 0.3757, 0.4217 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 153) }
```

Border

The CSS property to change the border of an element to Yxy 90.0814, 0.3757, 0.4217 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, 153) }
```

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

```
.border{ border-color:rgb(255, 247, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0814, 0.3757, 0.4217 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
247, 153) }
```

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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