

Converting Colors

$Yxy(87.5344, 0.3962, 0.4507)$

Have a look what the booklet for
Yxy(87.5344, 0.3962, 0.4507)
contains.

Yxy(87.2457, 0.3966, 0.4505)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2457, 0.3966, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	FFF475
RGB	255, 244, 117
RGB Percent	100%, 96%, 46%
CMY	0.0000, 0.0431, 0.5413
CMYK	0.00, 0.04, 0.54, 0.00
HSL	55°, 100%, 73%
HSV	55°, 54%, 100%
XYZ	76.8072, 87.2457, 29.6112
YIQ	232.8110, 47.3230, -37.1650

Conversions

Conversions Part 2

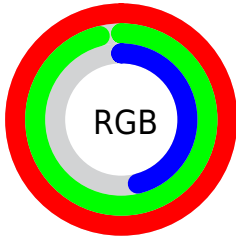
Format	Color
R_{YB}	129, 255, 117
Decimal	16774261
CIE Lab	94.84, -12.05, 61.53
CIE LCh	95, 62.699, 101.080
Yxy	87.2457, 0.3966, 0.4505
Android (android.graphics.Color)	4294964341 (0xFFFFF475)
YUV	232.8110, -57.0948, 19.4598
Hunter-Lab	93.4054, -16.6790, 46.5878

Details

The Yxy color **87.2457, 0.3966, 0.4505** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.4305, 0.2102, 0.1678**, and the grayscale version is **81.7434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **48.0611, 0.4103, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **85.5084, 0.4093, 0.4674**, and if you desaturate by 10%, it is **89.1581, 0.3821, 0.4305**.

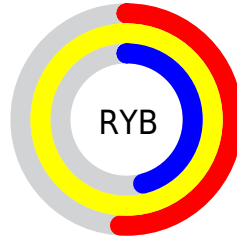
Distribution



Red (100%)

Green (96%)

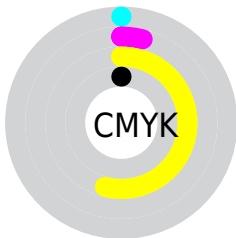
Blue (46%)



Red (51%)

Yellow (100%)

Blue (46%)

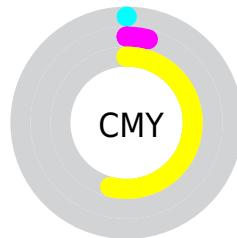


Cyan (0%)

Magenta (4%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2457, 0.3966, 0.4505 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 87.2457, 0.3966, 0.4505 by changing the saturation by 10% instead.

 87.2457, 0.3966,
0.4505


 87.2457, 0.3966,
0.4505


519.0299, 0.3621,
0.3973


 65.6986, 0.4031,
0.4614

 143.5066, 0.3857,
0.4330

 48.0277, 0.4103,
0.4741


 178.9891, 0.3811,
0.4259

 33.8489, 0.4182,
0.4890


 219.8855, 0.3771,
0.4196

 22.7775, 0.4264,
0.5062

266.5802, 0.3734,
0.4141

 14.4293, 0.4339,
0.5257

319.4576, 0.3702,
0.4092

 8.4199, 0.4451,
0.5549

378.9021, 0.3672,

 4.3648, 0.4345,

0.4048

445.2980, 0.3645,
0.4009

0.5655

1.8796, 0.4168,
0.5832

0.5361, 0.2866,
0.7134

87.2457, 0.3966,
0.4505

87.2457, 0.3966,
0.4505

85.5084, 0.4093,
0.4674

89.1581, 0.3821,
0.4305

83.9350, 0.4197,
0.4802


91.2603, 0.3664,
0.4084

82.5090, 0.4274,
0.4886

93.5624, 0.3504,
0.3850

81.2109, 0.4324,
0.4926

96.0745, 0.3344,
0.3614

 80.4923, 0.4343,
0.4934

 98.8060, 0.3189,
0.3383

100.0000, 0.3127,
0.3290

Harmonies

Analogous

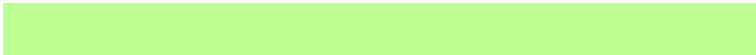
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2457, 0.4425, 0.4108



87.2457, 0.3966, 0.4505



87.2457, 0.3312, 0.4567

Triad

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



87.2457, 0.3966, 0.4505



87.2457, 0.1905, 0.2739



87.2457, 0.3530, 0.2615

Complementary

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



87.2457, 0.3966, 0.4505



26.4305, 0.2102, 0.1678

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.



87.2457, 0.2813, 0.2309



87.2457, 0.3966, 0.4505



87.2457, 0.1947, 0.2334

Square

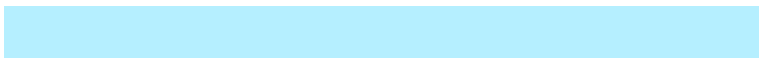
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2457, 0.3966, 0.4505



87.2457, 0.2140, 0.3405



87.2457, 0.2256, 0.2203



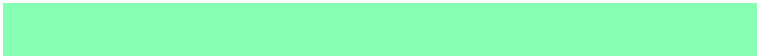
87.2457, 0.4190, 0.3065

Rectangle

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



87.2457, 0.3966, 0.4505



87.2457, 0.2856, 0.4334



87.2457, 0.2256, 0.2203



87.2457, 0.3284, 0.2493

Sweetspot

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



87.2448, 0.3966, 0.4505



95.5882, 0.3373, 0.3658



35.5466, 0.4609, 0.3179



20.3471, 0.3406, 0.3707



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

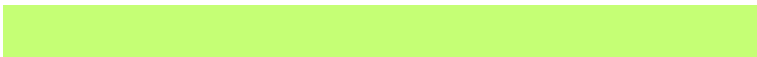
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2448, 0.3966, 0.4505



85.3651, 0.4103, 0.4686



84.7399, 0.3514, 0.4794



20.8283, 0.3271, 0.3507



42.1627, 0.4340, 0.4936



4.1757, 0.4322, 0.4951

Inverse Universe

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



26.4305, 0.2102, 0.1678



18.9495, 0.1890, 0.1327



28.9898, 0.2484, 0.1716



17.6102, 0.2978, 0.3064



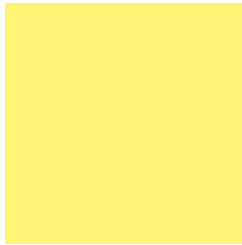
4.1211, 0.1514, 0.0650



0.4776, 0.1544, 0.0757

Previews

White Background



This preview shows how the Yxy color 87.2457, 0.3966, 0.4505 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 87.2457, 0.3966, 0.4505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

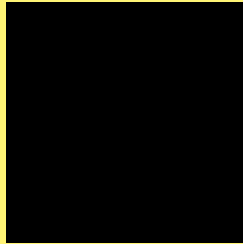
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2457, 0.3966, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 87.2457, 0.3966, 0.4505.

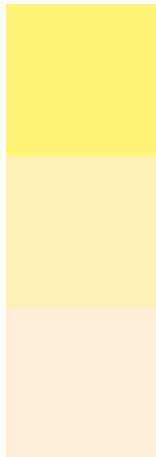


This preview shows how white text looks on a background with the Yxy color 87.2457, 0.3966, 0.4505.

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

87.2457, 0.3966, 0.4505

Protanopia

86.9991, 0.3593, 0.3862

Deuteranopia

86.8903, 0.3371, 0.3479



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



Original Color

87.2457, 0.3966, 0.4505



Protanomaly

86.6738, 0.3742, 0.4108



Deuteranomaly

86.9164, 0.3606, 0.3882



Tritanomaly

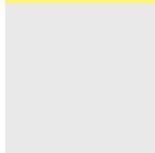
86.4863, 0.3500, 0.3691

Monochromacy



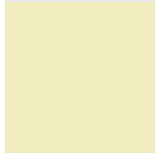
Original Color

87.2457, 0.3966, 0.4505



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.0307, 0.3448, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2457, 0.3966, 0.4505 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, 244, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 117)  
}
```

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, 244, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 117) }
```

Border

The CSS property to change the border of an element to Yxy 87.2457, 0.3966, 0.4505 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, 244, 117) }
```

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

```
.border{ border-color:rgb(255, 244, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 244, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 244, 117); box-shadow:4px 4px 4px 4px rgb(255, 244, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2457, 0.3966, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 117) }
```

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

```
.background{ background-color: rgb(255,  
244, 117) }
```

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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