

Converting Colors

$Yxy(87.4567, 0.3976, 0.4528)$

Have a look what the booklet for
Yxy(87.4567, 0.3976, 0.4528)
contains.

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Color

Yxy(87.1763, 0.3980, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	FFF472
RGB	255, 244, 114
RGB Percent	100%, 96%, 45%
CMY	0.0001, 0.0431, 0.5527
CMYK	0.00, 0.04, 0.55, 0.00
HSL	55°, 100%, 72%
HSV	55°, 55%, 100%
XYZ	76.6258, 87.1763, 28.7251
YIQ	232.4690, 48.2860, -38.0980

Conversions

Conversions Part 2

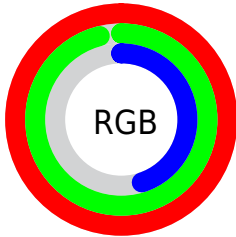
Format	Color
R _Y B	126, 255, 114
Decimal	16774258
CIE Lab	94.81, -12.29, 62.79
CIE LCh	95, 63.977, 101.075
Yxy	87.1763, 0.3980, 0.4528
Android (android.graphics.Color)	4294964338 (0xFFFFF472)
YUV	232.4690, -58.4052, 19.7597
Hunter-Lab	93.3682, -16.9024, 47.1170

Details

The Yxy color **87.1763, 0.3980, 0.4528** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.4762, 0.2078, 0.1637**, and the grayscale version is **81.4905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **48.0180, 0.4122, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **85.4896, 0.4105, 0.4693**, and if you desaturate by 10%, it is **89.0458, 0.3837, 0.4331**.

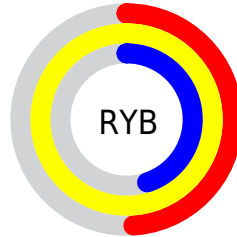
Distribution



Red (100%)

Green (96%)

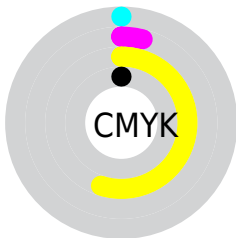
Blue (45%)



Red (49%)

Yellow (100%)

Blue (45%)

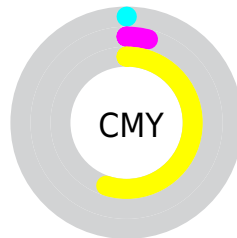


Cyan (0%)

Magenta (4%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1763, 0.3980, 0.4528 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 87.1763, 0.3980, 0.4528 by changing the saturation by 10% instead.


 87.1763, 0.3980,
0.4528

 87.1763, 0.3980,
0.4528


518.8020, 0.3631,
0.3987


 65.6411, 0.4045,
0.4638

 143.4098, 0.3870,
0.4350

 47.9811, 0.4117,
0.4767


 178.8770, 0.3824,
0.4278

 33.8119, 0.4196,
0.4917

 219.7569, 0.3783,
0.4214

 22.7492, 0.4276,
0.5089

266.4340, 0.3746,
0.4158

 14.4084, 0.4347,
0.5282

319.2927, 0.3713,
0.4108

 8.4053, 0.4442,
0.5558


378.7173, 0.3683,

 4.3553, 0.4334,


0.4064


0.5666


445.0923, 0.3655,
0.4024


 1.8743, 0.4153,
0.5847


 0.5328, 0.2792,
0.7208


 87.1763, 0.3980,
0.4528


 87.1763, 0.3980,
0.4528


 85.4896, 0.4105,
0.4693


 89.0458, 0.3837,
0.4331


 83.9597, 0.4205,
0.4816

 91.0982, 0.3682,
0.4111


 82.5745, 0.4278,
0.4896

 93.3487, 0.3522,
0.3878

 81.3140, 0.4324,
0.4931

 95.8074, 0.3361,
0.3642

 80.7474, 0.4339,
0.4937

 98.4838, 0.3206,
0.3409

99.9966, 0.3127,
0.3290

Harmonies

Analogous

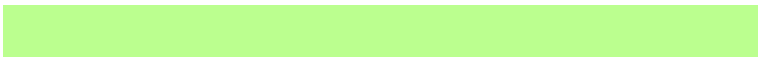
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1763, 0.4449, 0.4120



87.1763, 0.3980, 0.4528



87.1763, 0.3313, 0.4596

Triad

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



87.1763, 0.3980, 0.4528



87.1763, 0.1883, 0.2726



87.1763, 0.3538, 0.2602

Complementary

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



87.1763, 0.3980, 0.4528



25.4762, 0.2078, 0.1637

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.



87.1763, 0.2806, 0.2292



87.1763, 0.3980, 0.4528



87.1763, 0.1927, 0.2316

Square

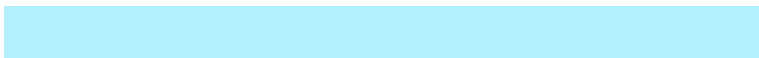
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1763, 0.3980, 0.4528



87.1763, 0.2121, 0.3407



87.1763, 0.2240, 0.2184



87.1763, 0.4212, 0.3059

Rectangle

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



87.1763, 0.3980, 0.4528



87.1763, 0.2849, 0.4358



87.1763, 0.2240, 0.2184



87.1763, 0.3286, 0.2479

Sweetspot

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



87.1804, 0.3980, 0.4528



95.3812, 0.3389, 0.3683



34.8065, 0.4658, 0.3178



20.3077, 0.3421, 0.3730



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

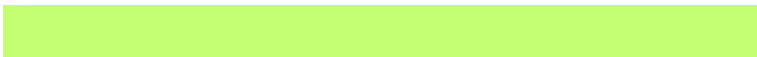
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1804, 0.3980, 0.4528



85.3859, 0.4113, 0.4703



84.4962, 0.3519, 0.4825



20.8344, 0.3271, 0.3507



42.3007, 0.4337, 0.4939



4.1877, 0.4318, 0.4953

Inverse Universe

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



25.4762, 0.2078, 0.1637



18.3085, 0.1872, 0.1293



28.1264, 0.2467, 0.1682



17.6048, 0.2978, 0.3063



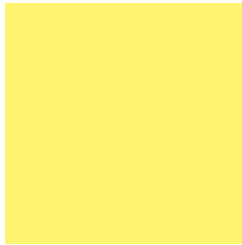
4.1112, 0.1514, 0.0648



0.4751, 0.1543, 0.0754

Previews

White Background



This preview shows how the Yxy color 87.1763, 0.3980, 0.4528 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 87.1763, 0.3980, 0.4528 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 87.1763, 0.3980, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 87.1763, 0.3980, 0.4528.



This preview shows how white text looks on a background with the Yxy color 87.1763, 0.3980, 0.4528.

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

87.1763, 0.3980, 0.4528

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

86.8903, 0.3371, 0.3479



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



Original Color

87.1763, 0.3980, 0.4528



Protanomaly

86.6049, 0.3754, 0.4127



Deuteranomaly

86.8755, 0.3613, 0.3892



Tritanomaly

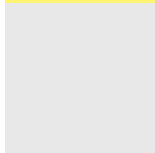
86.4403, 0.3507, 0.3702

Monochromacy



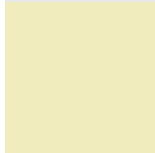
Original Color

87.1763, 0.3980, 0.4528



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.1903, 0.3456, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1763, 0.3980, 0.4528 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 114) }
```

Border

The CSS property to change the border of an element to Yxy 87.1763, 0.3980, 0.4528 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, 114) }
```

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

```
.border{ border-color:rgb(255, 244, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1763, 0.3980, 0.4528 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, 114) }
```

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

```
.background{ background-color: rgb(255,  
244, 114) }
```

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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