

Converting Colors

Yxy(87.5452, 0.4185, 0.5043)

Have a look what the booklet for
Yxy(87.5452, 0.4185, 0.5043)
contains.

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Color

Yxy(87.7344, 0.4179, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	F8F90C
RGB	248, 249, 12
RGB Percent	97%, 98%, 5%
CMY	0.0276, 0.0235, 0.9526
CMYK	0.00, 0.00, 0.95, 0.02
HSL	60°, 95%, 51%
HSV	60°, 95%, 98%
XYZ	72.6455, 87.7344, 13.4548
YIQ	221.6830, 75.4810, -73.9190

Conversions

Conversions Part 2

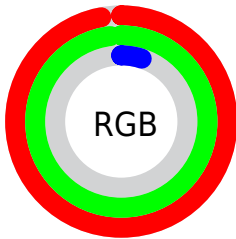
Format	Color
R _Y B	12, 249, 13
Decimal	16316684
CIE Lab	95.05, -21.51, 91.85
CIE LCh	95, 94.331, 103.180
Yxy	87.7344, 0.4179, 0.5047
Android (android.graphics.Color)	4294506764 (0xFFFF8F90C)
YUV	221.6830, -103.3737, 23.0800
Hunter-Lab	93.6666, -25.4764, 57.0499

Details

The Yxy color **87.7344, 0.4179, 0.5047** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.1919, 0.1517, 0.0627**, and the grayscale version is **73.5211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **48.7047, 0.4139, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **87.7020, 0.4185, 0.5059**, and if you desaturate by 10%, it is **87.8653, 0.4153, 0.5001**.

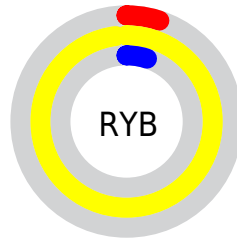
Distribution



Red (97%)

Green (98%)

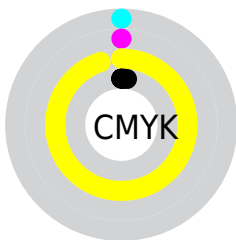
Blue (5%)



Red (5%)

Yellow (98%)

Blue (5%)

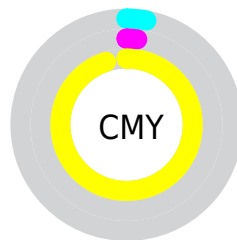


Cyan (0%)

Magenta (0%)

Yellow (95%)

Black (2%)



Cyan (3%)

Magenta (2%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7344, 0.4179, 0.5047 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 87.7344, 0.4179, 0.5047 by changing the saturation by 10% instead.


 87.7344, 0.4179,
0.5047

 87.7344, 0.4179,
0.5047


520.6331, 0.3809,
0.4322


 66.1031, 0.4227,
0.5177

 144.1873, 0.4080,
0.4823

 48.3561, 0.4268,
0.5318


 179.7778, 0.4033,
0.4727


 34.1090, 0.4294,
0.5466


 220.7901, 0.3988,
0.4641

 22.9773, 0.4308,
0.5639

 267.6086, 0.3947,
0.4564

 14.5768, 0.4239,
0.5761

 320.6178, 0.3908,
0.4494

 8.5229, 0.4111,
0.5889

 380.2020, 0.3873,

 4.4313, 0.3918,

0.4431

0.6082

446.7456, 0.3840,
0.4374

■ 1.9176, 0.3598,
0.6402

■ 0.5590, 0.0110,
0.9890

■ 87.7344, 0.4179,
0.5047

■ 87.7344, 0.4179,
0.5047

■ 87.7020, 0.4185,
0.5059

■ 87.8653, 0.4153,
0.5001

■ 88.0985, 0.4101,
0.4914

■ 88.4567, 0.4022,
0.4782

■ 88.9552, 0.3919,
0.4609

■ 89.6068, 0.3795,
0.4401

■ 90.4231, 0.3655,
0.4168

■ 91.4146, 0.3506,
0.3920

■ 92.5908, 0.3354,
0.3667

■ 93.9606, 0.3203,
0.3416

Harmonies

Analogous

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



87.7344, 0.4917, 0.4380



87.7344, 0.4179, 0.5047



87.7344, 0.3236, 0.5258

Triad

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



87.7344, 0.4179, 0.5047



87.7344, 0.1421, 0.2381



87.7344, 0.3782, 0.2370

Complementary

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



87.7344, 0.4179, 0.5047



7.1919, 0.1517, 0.0627

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.



87.7344, 0.2711, 0.1952



87.7344, 0.4179, 0.5047



87.7344, 0.1513, 0.1899

Square

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



87.7344, 0.4179, 0.5047



87.7344, 0.1672, 0.3333



87.7344, 0.1932, 0.1782



87.7344, 0.4774, 0.2967

Rectangle

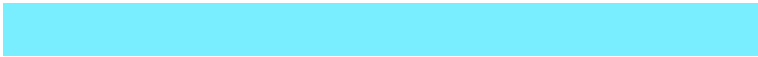
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7344, 0.4179, 0.5047



87.7344, 0.2603, 0.4892



87.7344, 0.1932, 0.1782



87.7344, 0.3409, 0.2206

Sweetspot

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



87.7385, 0.4179, 0.5047



96.0563, 0.3565, 0.4018



20.4342, 0.6341, 0.3300



20.4661, 0.3628, 0.4123



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.



87.7385, 0.4179, 0.5047



92.5668, 0.4185, 0.5059



72.5770, 0.3381, 0.5675



20.1866, 0.3268, 0.3524



46.9406, 0.4186, 0.5059



4.3487, 0.4187, 0.5058

Inverse Universe

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



7.1919, 0.1517, 0.0627



7.2273, 0.1501, 0.0601



11.8945, 0.2057, 0.0922



16.6467, 0.2979, 0.3045



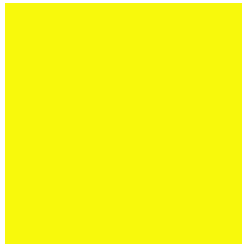
3.6665, 0.1501, 0.0601



0.3408, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 87.7344, 0.4179, 0.5047 looks on a white background.

Color Contrast Check

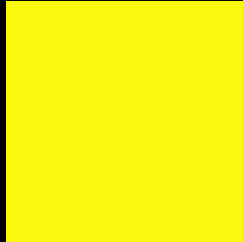
Large Text (above 18pt) WCAG AA × Fail

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 87.7344, 0.4179, 0.5047 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 87.7344, 0.4179, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 87.7344, 0.4179, 0.5047.



This preview shows how white text looks on a background with the Yxy color 87.7344, 0.4179, 0.5047.

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



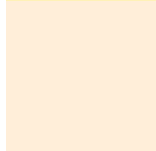
Original Color

87.7344, 0.4179, 0.5047



Protanopia

87.5895, 0.3591, 0.3871



Deuteranopia

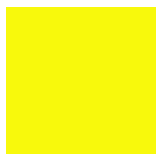
87.4188, 0.3376, 0.3499



Tritanopia

87.3305, 0.3192, 0.3183

Trichromacy



Original Color

87.7344, 0.4179, 0.5047



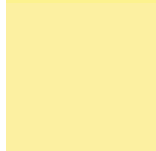
Protanomaly

86.7773, 0.3924, 0.4483



Deuteranomaly

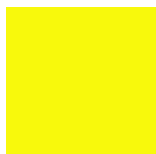
86.1527, 0.3818, 0.4284



Tritanomaly

85.5888, 0.3711, 0.4086

Monochromacy



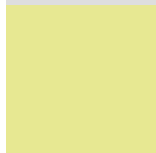
Original Color

87.7344, 0.4179, 0.5047



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.7775, 0.3676, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7344, 0.4179, 0.5047 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(248, 249, 12)` looks like.

```
.text, #text, p{  
    color:rgb(248, 249, 12)  
}
```

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(248, 249, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 249, 12) }
```

Border

The CSS property to change the border of an element to Yxy 87.7344, 0.4179, 0.5047 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(248, 249, 12) }
```

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

```
.border{ border-color:rgb(248, 249, 12) }
```

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

Here you see how a box with a 4 pixel rgb(248, 249, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 249, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 249, 12);  
box-shadow:4px 4px 4px 4px rgb(248, 249,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7344, 0.4179, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 249, 12) }
```

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

```
.background{ background-color: rgb(248,  
249, 12) }
```

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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