

Converting Colors

$Yxy(88.2607, 0.4573, 0.4494)$

Have a look what the booklet for
Yxy(88.2607, 0.4573, 0.4494)
contains.

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Color

Yxy(78.3086, 0.4249, 0.4708)

Conversions

Conversions Part 1

Format	Color
Hex	FFE647
RGB	255, 230, 71
RGB Percent	100%, 90%, 28%
CMY	0.0000, 0.0980, 0.7216
CMYK	0.00, 0.10, 0.72, 0.00
HSL	52°, 100%, 64%
HSV	52°, 72%, 100%
XYZ	70.6740, 78.3086, 17.3483
YIQ	219.3490, 65.9390, -44.1490

Conversions

Conversions Part 2

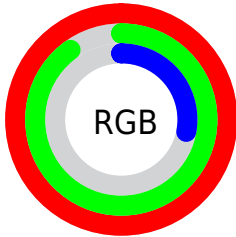
Format	Color
RYB	100, 255, 71
Decimal	16770631
CIELab	90.92, -7.89, 75.92
CIELCh	91, 76.329, 95.930
Yxy	78.3086, 0.4249, 0.4708
Android (android.graphics.Color)	4294960711 (0xFFFFE647)
YUV	219.3490, -73.1361, 31.2659
Hunter-Lab	88.4921, -12.3027, 50.3211

Details

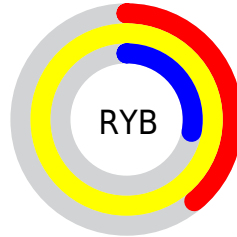
The Yxy color **78.3086, 0.4249, 0.4708** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **16.9213, 0.1795, 0.1223**, and the grayscale version is **71.5787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3650, 0.3855, 0.4493**, and **42.1293, 0.4377, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **76.1420, 0.4349, 0.4795**, and if you desaturate by 10%, it is **80.6581, 0.4122, 0.4577**.

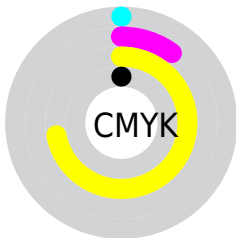
Distribution



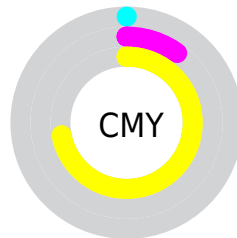
- Red (100%)
- Green (90%)
- Blue (28%)



- Red (39%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (10%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3086, 0.4249, 0.4708 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 78.3086, 0.4249, 0.4708 by changing the saturation by 10% instead.


 78.3086, 0.4249,
0.4708


 78.3086, 0.4249,
0.4708


489.2142, 0.3797,
0.4109


 58.3275, 0.4327,
0.4820


 130.9851, 0.4111,
0.4518


 42.0720, 0.4409,
0.4944


 164.4492, 0.4052,
0.4439

 29.1577, 0.4490,
0.5078


 203.1765, 0.3999,
0.4368

 19.2001, 0.4560,
0.5214

 247.5514, 0.3950,
0.4305

 11.8150, 0.4629,
0.5371

 297.9582, 0.3906,
0.4248

 6.6178, 0.4576,
0.5424

354.7814, 0.3867,

 3.2243, 0.4494,

0.4197

418.4052, 0.3830,
0.4151

0.5506

■ 1.2499, 0.4349,
0.5651

■ 0.1019, 0.0000,
1.0000

■ 78.3086, 0.4249,
0.4708

■ 78.3086, 0.4249,
0.4708

■ 76.1420, 0.4349,
0.4795

■ 80.6581, 0.4122,
0.4577

■ 74.1286, 0.4421,
0.4835


■ 83.1949, 0.3975,
0.4408

■ 72.6383, 0.4460,
0.4841

■ 85.9363, 0.3814,
0.4212

■ 88.8943, 0.3646,
0.3997

 92.0798, 0.3478,
0.3775

 95.5030, 0.3315,
0.3552

 99.1732, 0.3159,
0.3336

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.



78.3086, 0.4782, 0.4135



78.3086, 0.4249, 0.4708



78.3086, 0.3464, 0.4952

Triad

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



78.3086, 0.4249, 0.4708



78.3086, 0.1664, 0.2697



78.3086, 0.3462, 0.2387

Complementary

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



78.3086, 0.4249, 0.4708



16.9213, 0.1795, 0.1223

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.



78.3086, 0.2590, 0.2063



78.3086, 0.4249, 0.4708



78.3086, 0.1668, 0.2164

Square

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



78.3086, 0.4249, 0.4708



78.3086, 0.1986, 0.3586



78.3086, 0.1975, 0.1975



78.3086, 0.4345, 0.2893

Rectangle

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



78.3086, 0.4249, 0.4708



78.3086, 0.2902, 0.4753



78.3086, 0.1975, 0.1975



78.3086, 0.3153, 0.2255

Sweetspot

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



78.3122, 0.4249, 0.4708



92.1333, 0.3475, 0.3771



26.6579, 0.5267, 0.3070



19.5303, 0.3521, 0.3832



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.



78.3122, 0.4249, 0.4708



75.1496, 0.4388, 0.4820



82.9988, 0.3638, 0.5181



20.6451, 0.3273, 0.3494



38.1180, 0.4455, 0.4845



3.8227, 0.4421, 0.4872

Inverse Universe

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



16.9213, 0.1795, 0.1223



11.1322, 0.1609, 0.0875



16.9083, 0.2115, 0.1178



17.7754, 0.2979, 0.3078



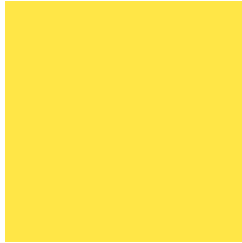
4.5103, 0.1529, 0.0704



0.5553, 0.1573, 0.0863

Previews

White Background



This preview shows how the Yxy color 78.3086, 0.4249, 0.4708 looks on a white background.

Color Contrast Check

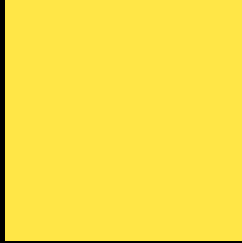
Large Text (above 18pt) WCAG AA × Fail

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 78.3086, 0.4249, 0.4708 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 78.3086, 0.4249, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 78.3086, 0.4249, 0.4708.



This preview shows how white text looks on a background with the Yxy color 78.3086, 0.4249, 0.4708.

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

78.3086, 0.4249, 0.4708

Protanopia

78.0540, 0.4175, 0.4580

Deuteranopia

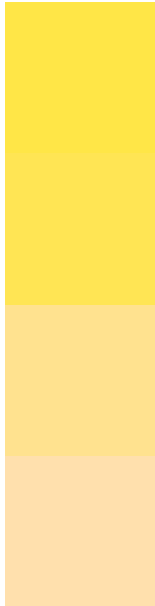
78.0320, 0.3629, 0.3699



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.3086, 0.4249, 0.4708

Protanomaly

77.9387, 0.4205, 0.4626

Deuteranomaly

77.6359, 0.3901, 0.4127

Tritanomaly

77.5884, 0.3706, 0.3812

Monochromacy



Original Color

78.3086, 0.4249, 0.4708

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

72.6478, 0.3588, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3086, 0.4249, 0.4708 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, 230, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 71)  
}
```

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, 230, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 71) }
```

Border

The CSS property to change the border of an element to Yxy 78.3086, 0.4249, 0.4708 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, 230, 71) }
```

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

```
.border{ border-color:rgb(255, 230, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3086, 0.4249, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 71) }
```

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

```
.background{ background-color: rgb(255,  
230, 71) }
```

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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