

Converting Colors

Yxy(78.4198, 0.4161, 0.4592)

Have a look what the booklet for
Yxy(78.4198, 0.4161, 0.4592)
contains.

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Color

Yxy(78.4198, 0.4161, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	FEE65B
RGB	254, 230, 91
RGB Percent	100%, 90%, 36%
CMY	0.0039, 0.0980, 0.6430
CMYK	0.00, 0.09, 0.64, 0.00
HSL	51°, 99%, 68%
HSV	51°, 64%, 100%
XYZ	71.0594, 78.4198, 21.2956
YIQ	221.3300, 58.9230, -38.1410

Conversions

Conversions Part 2

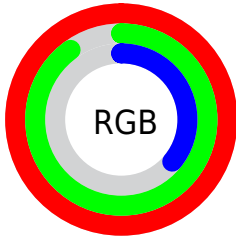
Format	Color
R_{YB}	119, 254, 91
Decimal	16705115
CIE _{Lab}	90.97, -7.28, 68.34
CIE _{LCh}	91, 68.727, 96.083
Yxy	78.4198, 0.4161, 0.4592
Android (android.graphics.Color)	4294895195 (0xFFFE65B)
YUV	221.3300, -64.2527, 28.6516
Hunter-Lab	88.5550, -11.7369, 47.7305

Details

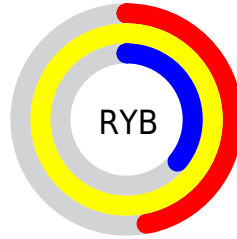
The Yxy color **78.4198, 0.4161, 0.4592** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.6496, 0.1935, 0.1478**, and the grayscale version is **72.9845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **42.2230, 0.4325, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **75.9973, 0.4287, 0.4713**, and if you desaturate by 10%, it is **81.0427, 0.4014, 0.4432**.

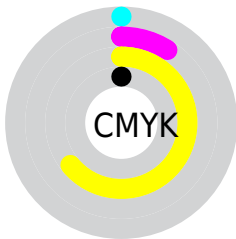
Distribution



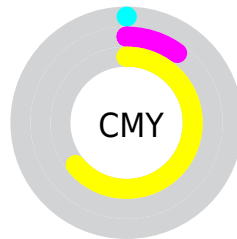
- Red (100%)
- Green (90%)
- Blue (36%)



- Red (47%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4198, 0.4161, 0.4592 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 78.4198, 0.4161, 0.4592 by changing the saturation by 10% instead.


 78.4198, 0.4161,
0.4592


 78.4198, 0.4161,
0.4592


489.5913, 0.3733,
0.4030


 58.4189, 0.4240,
0.4702

 131.1417, 0.4027,
0.4410


 42.1455, 0.4326,
0.4827


 164.6316, 0.3970,
0.4336

 29.2152, 0.4416,
0.4966


 203.3865, 0.3920,
0.4270

 19.2437, 0.4504,
0.5117

 247.7909, 0.3874,
0.4211

 11.8465, 0.4614,
0.5314

298.2292, 0.3834,
0.4158

 6.6392, 0.4599,
0.5401

355.0858, 0.3797,

 3.2375, 0.4524,

0.4111

0.5476

418.7450, 0.3763,
0.4069

■ 1.2570, 0.4391,
0.5609

■ 0.1075, 0.0000,
1.0000

■ 78.4198, 0.4161,
0.4592

■ 78.4198, 0.4161,
0.4592

■ 75.9973, 0.4287,
0.4713

■ 81.0427, 0.4014,
0.4432

■ 73.7481, 0.4385,
0.4790


■ 83.8686, 0.3852,
0.4241

■ 71.6564, 0.4455,
0.4820

■ 86.9134, 0.3683,
0.4032

■ 70.4917, 0.4485,
0.4821

■ 90.1883, 0.3513,
0.3813

 93.7034, 0.3347,
0.3592

 97.4684, 0.3190,
0.3377

99.8108, 0.3121,
0.3290

Harmonies

Analogous

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



78.4198, 0.4635, 0.4089



78.4198, 0.4161, 0.4592



78.4198, 0.3447, 0.4778

Triad

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



78.4198, 0.4161, 0.4592



78.4198, 0.1786, 0.2761



78.4198, 0.3439, 0.2466

Complementary

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



78.4198, 0.4161, 0.4592



21.6496, 0.1935, 0.1478

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.



78.4198, 0.2647, 0.2164



78.4198, 0.4161, 0.4592



78.4198, 0.1787, 0.2267

Square

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



78.4198, 0.4161, 0.4592



78.4198, 0.2090, 0.3558



78.4198, 0.2076, 0.2084



78.4198, 0.4227, 0.2938

Rectangle

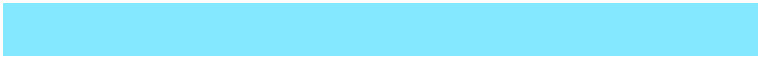
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4198, 0.4161, 0.4592



78.4198, 0.2933, 0.4586



78.4198, 0.2076, 0.2084



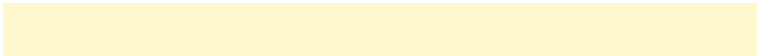
78.4198, 0.3160, 0.2343

Sweetspot

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



78.4235, 0.4161, 0.4592



92.7957, 0.3427, 0.3699



29.8077, 0.4914, 0.3068



19.6469, 0.3474, 0.3762



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.



78.4235, 0.4161, 0.4592



76.0140, 0.4318, 0.4740



83.5047, 0.3620, 0.5009



20.6080, 0.3273, 0.3491



37.3356, 0.4480, 0.4825



3.7539, 0.4442, 0.4855

Inverse Universe

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



21.6496, 0.1935, 0.1478



15.0465, 0.1730, 0.1118



20.9464, 0.2245, 0.1389



17.8092, 0.2979, 0.3081



4.6107, 0.1533, 0.0717



0.5711, 0.1579, 0.0884

Previews

White Background



This preview shows how the Yxy color 78.4198, 0.4161, 0.4592 looks on a white background.

Color Contrast Check

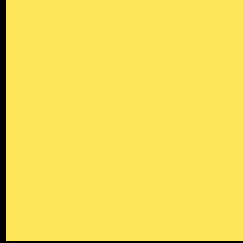
Large Text (above 18pt) WCAG AA × Fail

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 78.4198, 0.4161, 0.4592 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 78.4198, 0.4161, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 78.4198, 0.4161, 0.4592.



This preview shows how white text looks on a background with the Yxy color 78.4198, 0.4161, 0.4592.

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

78.4198, 0.4161, 0.4592

Protanopia

78.6799, 0.4150, 0.4561

Deuteranopia

78.1165, 0.3615, 0.3678



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.4198, 0.4161, 0.4592

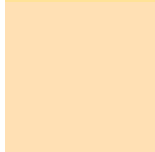
Protanomaly

78.6618, 0.4155, 0.4568



Deuteranomaly

77.8871, 0.3849, 0.4050



Tritanomaly

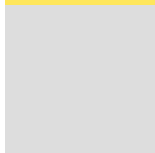
77.8666, 0.3657, 0.3740

Monochromacy



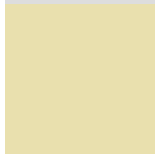
Original Color

78.4198, 0.4161, 0.4592



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.6909, 0.3531, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4198, 0.4161, 0.4592 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(254, 230, 91)` looks like.

```
.text, #text, p{  
    color:rgb(254, 230, 91)  
}
```

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(254, 230, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 230, 91) }
```

Border

The CSS property to change the border of an element to Yxy 78.4198, 0.4161, 0.4592 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(254, 230, 91) }
```

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

```
.border{ border-color:rgb(254, 230, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 230, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 230, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 230, 91);  
box-shadow:4px 4px 4px 4px rgb(254, 230,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4198, 0.4161, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 230, 91) }
```

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

```
.background{ background-color: rgb(254,  
230, 91) }
```

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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