

Converting Colors

$Yxy(78.3565, 0.4229, 0.4677)$

Have a look what the booklet for
Yxy(78.3565, 0.4229, 0.4677)
contains.

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Color

Yxy(78.3895, 0.4227, 0.4675)

Conversions

Conversions Part 1

Format	Color
Hex	FFE64D
RGB	255, 230, 77
RGB Percent	100%, 90%, 30%
CMY	0.0000, 0.0980, 0.6981
CMYK	0.00, 0.10, 0.70, 0.00
HSL	52°, 100%, 65%
HSV	52°, 70%, 100%
XYZ	70.8775, 78.3895, 18.4111
YIQ	220.0330, 64.0130, -42.2830

Conversions

Conversions Part 2

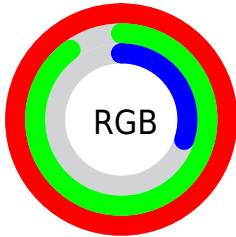
Format	Color
RYB	106, 255, 77
Decimal	16770637
CIELab	90.96, -7.61, 73.81
CIELCh	91, 74.205, 95.887
Yxy	78.3895, 0.4227, 0.4675
Android (android.graphics.Color)	4294960717 (0xFFFFE64D)
YUV	220.0330, -70.5153, 30.6661
Hunter-Lab	88.5378, -12.0460, 49.6474

Details

The Yxy color **78.3895, 0.4227, 0.4675** 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 **18.2941, 0.1835, 0.1298**, and the grayscale version is **72.0625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **42.1293, 0.4377, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **76.1274, 0.4335, 0.4772**, and if you desaturate by 10%, it is **80.8387, 0.4093, 0.4535**.

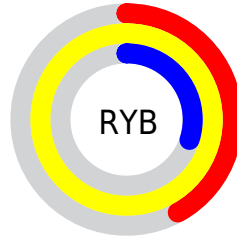
Distribution



Red (100%)

Green (90%)

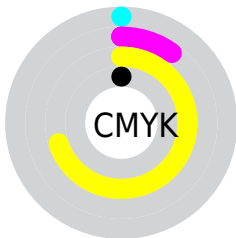
Blue (30%)



Red (42%)

Yellow (100%)

Blue (30%)

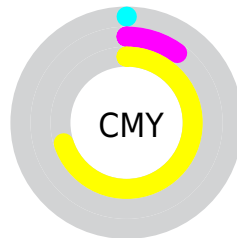


Cyan (0%)

Magenta (10%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3895, 0.4227, 0.4675 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 78.3895, 0.4227, 0.4675 by changing the saturation by 10% instead.


 78.3895, 0.4227,
0.4675


 78.3895, 0.4227,
0.4675


489.4886, 0.3781,
0.4086

 58.3940, 0.4306,
0.4787


 131.0990, 0.4090,
0.4488

 42.1255, 0.4389,
0.4911

 164.5819, 0.4031,
0.4409


 29.1996, 0.4474,
0.5046


 203.3293, 0.3978,
0.4340

 19.2318, 0.4549,
0.5186

 247.7257, 0.3930,
0.4278

 11.8379, 0.4637,
0.5363

 298.1554, 0.3887,
0.4222

 6.6334, 0.4586,
0.5414

355.0028, 0.3848,

 3.2339, 0.4507,

0.4173

0.5493

418.6525, 0.3813,
0.4127

■ 1.2550, 0.4368,
0.5632

■ 0.1060, 0.0000,
1.0000

■ 78.3895, 0.4227,
0.4675

■ 78.3895, 0.4227,
0.4675

■ 76.1274, 0.4335,
0.4772

■ 80.8387, 0.4093,
0.4535

■ 74.0269, 0.4415,
0.4823

■ 83.4823, 0.3941,
0.4359

■ 72.0622, 0.4469,
0.4833

■ 86.3360, 0.3777,
0.4158

■ 72.0261, 0.4470,
0.4833

■ 89.4116, 0.3607,
0.3942

■ 92.7199, 0.3440,
0.3720

■ 96.2708, 0.3277,
0.3499

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.



78.3895, 0.4742, 0.4121



78.3895, 0.4227, 0.4675



78.3895, 0.3462, 0.4903

Triad

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



78.3895, 0.4227, 0.4675



78.3895, 0.1698, 0.2717



78.3895, 0.3453, 0.2408

Complementary

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



78.3895, 0.4227, 0.4675



18.2941, 0.1835, 0.1298

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.



78.3895, 0.2604, 0.2090



78.3895, 0.4227, 0.4675



78.3895, 0.1700, 0.2194

Square

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



78.3895, 0.4227, 0.4675



78.3895, 0.2017, 0.3581



78.3895, 0.2002, 0.2005



78.3895, 0.4310, 0.2904

Rectangle

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



78.3895, 0.4227, 0.4675



78.3895, 0.2913, 0.4707



78.3895, 0.2002, 0.2005



78.3895, 0.3152, 0.2279

Sweetspot

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



78.3920, 0.4227, 0.4675



92.3146, 0.3459, 0.3746



27.5576, 0.5163, 0.3068



19.5602, 0.3505, 0.3808



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.



78.3920, 0.4227, 0.4675



75.2290, 0.4372, 0.4799



83.3525, 0.3635, 0.5134



20.6302, 0.3273, 0.3493



37.8024, 0.4465, 0.4837



3.7950, 0.4429, 0.4865

Inverse Universe

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



18.2941, 0.1835, 0.1298



12.1778, 0.1641, 0.0942



18.0381, 0.2152, 0.1237



17.7890, 0.2979, 0.3079



4.5497, 0.1530, 0.0709



0.5616, 0.1576, 0.0871

Previews

White Background



This preview shows how the Yxy color 78.3895, 0.4227, 0.4675 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 78.3895, 0.4227, 0.4675 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 78.3895, 0.4227, 0.4675

Background



This preview shows how black text looks on a background with the Yxy color 78.3895, 0.4227, 0.4675.



This preview shows how white text looks on a background with the Yxy color 78.3895, 0.4227, 0.4675.

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

78.3895, 0.4227, 0.4675

Protanopia

78.6439, 0.4160, 0.4574

Deuteranopia

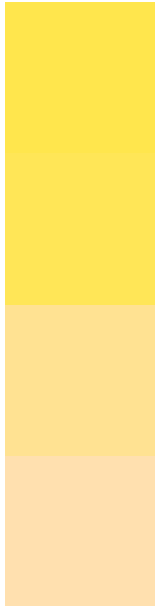
78.0741, 0.3622, 0.3689



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.3895, 0.4227, 0.4675

Protanomaly

78.5417, 0.4186, 0.4614

Deuteranomaly

77.7280, 0.3882, 0.4098

Tritanomaly

77.6665, 0.3692, 0.3791

Monochromacy



Original Color

78.3895, 0.4227, 0.4675

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.4621, 0.3572, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3895, 0.4227, 0.4675 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 77) }
```

Border

The CSS property to change the border of an element to Yxy 78.3895, 0.4227, 0.4675 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, 77) }
```

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

```
.border{ border-color:rgb(255, 230, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3895, 0.4227, 0.4675 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
230, 77) }
```

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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