

Converting Colors

$Y_{xy}(78.4929, 0.4005, 0.4319)$

Have a look what the booklet for
Yxy(78.4929, 0.4005, 0.4319)
contains.

Yxy(78.7539, 0.4004, 0.4325)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.7539, 0.4004, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	FFE57C
RGB	255, 229, 124
RGB Percent	100%, 90%, 49%
CMY	0.0000, 0.1020, 0.5137
CMYK	0.00, 0.10, 0.51, 0.00
HSL	48°, 100%, 74%
HSV	48°, 51%, 100%
XYZ	72.9088, 78.7539, 30.4272
YIQ	224.8040, 49.2010, -27.1430

Conversions

Conversions Part 2

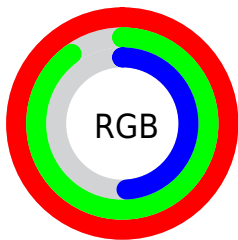
Format	Color
RYB	156, 255, 124
Decimal	16770428
CIELab	91.12, -4.03, 53.94
CIELCh	91, 54.088, 94.276
Yxy	78.7539, 0.4004, 0.4325
Android (android.graphics.Color)	4294960508 (0xFFFFE57C)
YUV	224.8040, -49.6964, 26.4819
Hunter-Lab	88.7434, -8.6509, 41.7918

Details

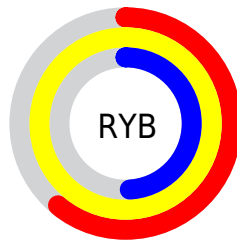
The Yxy color **78.7539, 0.4004, 0.4325** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.3215, 0.2197, 0.1964**, and the grayscale version is **75.4803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **42.4628, 0.4171, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **75.4250, 0.4171, 0.4488**, and if you desaturate by 10%, it is **82.3231, 0.3827, 0.4137**.

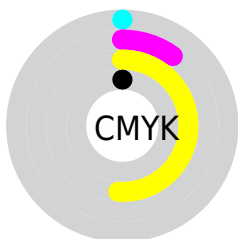
Distribution



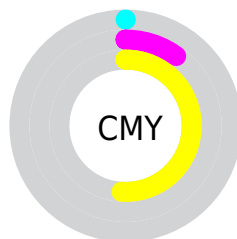
- Red (100%)
- Green (90%)
- Blue (49%)



- Red (61%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (10%)
- Yellow (51%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7539, 0.4004, 0.4325 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 78.7539, 0.4004, 0.4325 by changing the saturation by 10% instead.

 78.7539, 0.4004,
0.4325

 78.7539, 0.4004,
0.4325

490.7234, 0.3624,
0.3868


 58.6935, 0.4081,
0.4420

 131.6123, 0.3880,
0.4173

 42.3664, 0.4170,
0.4531


 165.1792, 0.3829,
0.4112

 29.3883, 0.4272,
0.4662


 204.0169, 0.3784,
0.4059

 19.3748, 0.4387,
0.4815

248.5100, 0.3745,
0.4011

 11.9414, 0.4511,
0.4987

299.0428, 0.3710,
0.3969

 6.7038, 0.4723,
0.5277

355.9997, 0.3678,

 3.2775, 0.4682,

0.3932

419.7651, 0.3650,
0.3898

0.5318

1.2783, 0.4610,
0.5390

0.1243, 0.1367,
0.8633

78.7539, 0.4004,
0.4325

78.7539, 0.4004,
0.4325

75.4250, 0.4171,
0.4488

82.3231, 0.3827,
0.4137

72.3348, 0.4321,
0.4614

86.1573, 0.3647,
0.3934

69.4635, 0.4446,
0.4696

90.2637, 0.3472,
0.3725

66.7923, 0.4542,
0.4731

94.6529, 0.3304,
0.3517

■ 64.6234, 0.4603,
0.4727

■ 99.3347, 0.3148,
0.3317

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

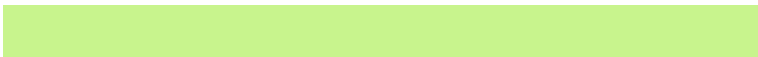
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7539, 0.4347, 0.3941



78.7539, 0.4004, 0.4325



78.7539, 0.3444, 0.4447

Triad

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



78.7539, 0.4004, 0.4325



78.7539, 0.2047, 0.2923



78.7539, 0.3342, 0.2602

Complementary

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



78.7539, 0.4004, 0.4325



33.3215, 0.2197, 0.1964

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.



78.7539, 0.2717, 0.2360



78.7539, 0.4004, 0.4325



78.7539, 0.2026, 0.2493

Square

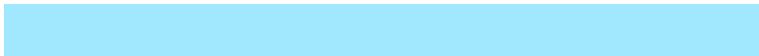
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7539, 0.4004, 0.4325



78.7539, 0.2325, 0.3550



78.7539, 0.2256, 0.2313



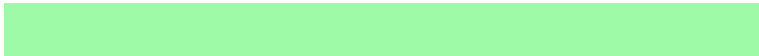
78.7539, 0.3960, 0.2991

Rectangle

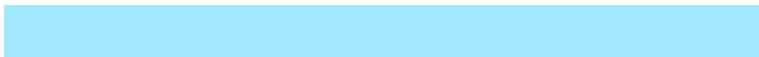
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7539, 0.4004, 0.4325



78.7539, 0.3030, 0.4302



78.7539, 0.2256, 0.2313



78.7539, 0.3123, 0.2502

Sweetspot

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



78.7498, 0.4004, 0.4325



93.0269, 0.3364, 0.3592



37.8847, 0.4309, 0.3024



19.7131, 0.3399, 0.3636



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.



78.7498, 0.4004, 0.4325



75.2239, 0.4181, 0.4497



87.5288, 0.3606, 0.4667



20.4419, 0.3274, 0.3479



33.9830, 0.4595, 0.4734



3.4574, 0.4540, 0.4777

Inverse Universe

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



33.3215, 0.2197, 0.1964



25.2696, 0.1997, 0.1642



29.4546, 0.2406, 0.1753



17.9615, 0.2979, 0.3094



5.1569, 0.1553, 0.0791



0.6465, 0.1606, 0.0981

Previews

White Background



This preview shows how the Yxy color 78.7539, 0.4004, 0.4325 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 78.7539, 0.4004, 0.4325 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 78.7539, 0.4004, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 78.7539, 0.4004, 0.4325.



This preview shows how white text looks on a background with the Yxy color 78.7539, 0.4004, 0.4325.

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

78.7539, 0.4004, 0.4325

Protanopia

78.9315, 0.3983, 0.4340

Deuteranopia

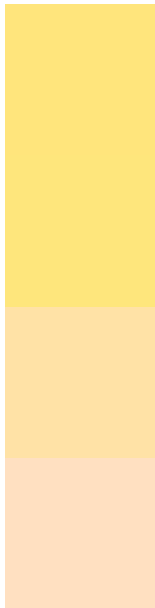
78.8281, 0.3584, 0.3647



Tritanopia

78.7991, 0.3297, 0.3181

Trichromacy



Original Color

78.7539, 0.4004, 0.4325

Protanomaly

79.1197, 0.3991, 0.4337

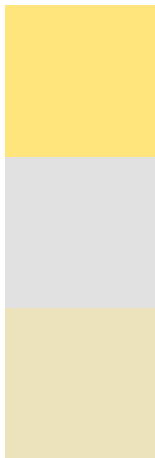
Deuteranomaly

78.4059, 0.3748, 0.3901

Tritanomaly

78.4216, 0.3565, 0.3606

Monochromacy



Original Color

78.7539, 0.4004, 0.4325

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.8564, 0.3453, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7539, 0.4004, 0.4325 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, 229, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 124)  
}
```

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, 229, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 124) }
```

Border

The CSS property to change the border of an element to Yxy 78.7539, 0.4004, 0.4325 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, 229, 124) }
```

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

```
.border{ border-color:rgb(255, 229, 124) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7539, 0.4004, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 124) }
```

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

```
.background{ background-color: rgb(255,  
229, 124) }
```

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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