

Converting Colors

$Yxy(73.8428, 0.4331, 0.4341)$

Have a look what the booklet for
Yxy(73.8428, 0.4331, 0.4341)
contains.

Yxy(70.8005, 0.4214, 0.4395)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8005, 0.4214, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	FFD765
RGB	255, 215, 101
RGB Percent	100%, 84%, 40%
CMY	0.0001, 0.1568, 0.6038
CMYK	0.00, 0.16, 0.60, 0.00
HSL	44°, 100%, 70%
HSV	44°, 60%, 100%
XYZ	67.8847, 70.8005, 22.4081
YIQ	213.9640, 60.4340, -26.9740

Conversions

Conversions Part 2

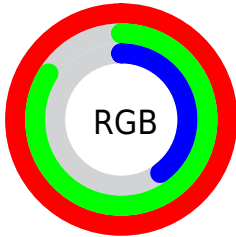
Format	Color
RYB	155, 255, 101
Decimal	16766821
CIELab	87.39, 1.30, 60.17
CIELCh	87, 60.189, 88.762
Yxy	70.8005, 0.4214, 0.4395
Android (android.graphics.Color)	4294956901 (0xFFFFD765)
YUV	213.9640, -55.6913, 35.9886
Hunter-Lab	84.1430, -3.2405, 43.1106

Details

The Yxy color **70.8005, 0.4214, 0.4395** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.0368, 0.2053, 0.1810**, and the grayscale version is **67.5741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1466, 0.3717, 0.4265**, and **37.2971, 0.4412, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **67.0755, 0.4388, 0.4516**, and if you desaturate by 10%, it is **74.8237, 0.4026, 0.4239**.

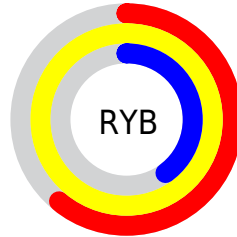
Distribution



Red (100%)

Green (84%)

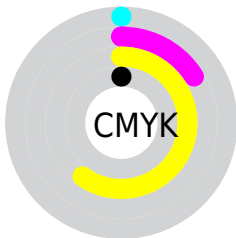
Blue (40%)



Red (61%)

Yellow (100%)

Blue (40%)

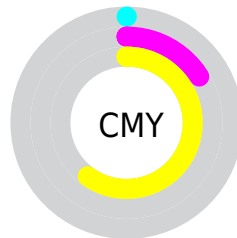


Cyan (0%)

Magenta (16%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8005, 0.4214, 0.4395 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 70.8005, 0.4214, 0.4395 by changing the saturation by 10% instead.


 70.8005, 0.4214,
0.4395

 70.8005, 0.4214,
0.4395


463.3557, 0.3739,
0.3915

 52.1794, 0.4309,
0.4490


 120.3496, 0.4059,
0.4239

 37.1481, 0.4418,
0.4598


 152.0464, 0.3995,
0.4175

 25.3222, 0.4540,
0.4719


 188.8706, 0.3939,
0.4119

 16.3173, 0.4673,
0.4847

 231.2065, 0.3890,
0.4068

 9.7489, 0.4840,
0.5006

279.4386, 0.3846,
0.4024

 5.2328, 0.4925,
0.5075

333.9513, 0.3806,

 2.3845, 0.4940,

0.3984

0.5060

395.1288, 0.3771,
0.3948

■ 0.8179, 0.4973,
0.5027

■ 0.0000, 0.0000,
0.0000

■ 70.8005, 0.4214,
0.4395

■ 70.8005, 0.4214,
0.4395

■ 67.0755, 0.4388,
0.4516

■ 74.8237, 0.4026,
0.4239

■ 63.6220, 0.4540,
0.4594


■ 79.1495, 0.3833,
0.4061

■ 60.4241, 0.4663,
0.4622

■ 83.7943, 0.3643,
0.3869

■ 57.5584, 0.4754,
0.4608

■ 88.7704, 0.3460,
0.3674

 94.0889, 0.3290,
0.3481

99.7604, 0.3133,
0.3297

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



70.8005, 0.4555, 0.3912



70.8005, 0.4214, 0.4395



70.8005, 0.3602, 0.4636

Triad

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



70.8005, 0.4214, 0.4395



70.8005, 0.1937, 0.2975



70.8005, 0.3229, 0.2447

Complementary

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



70.8005, 0.4214, 0.4395



29.0368, 0.2053, 0.1810

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.



70.8005, 0.2541, 0.2213



70.8005, 0.4214, 0.4395



70.8005, 0.1867, 0.2442

Square

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



70.8005, 0.4214, 0.4395



70.8005, 0.2295, 0.3731



70.8005, 0.2072, 0.2199



70.8005, 0.3968, 0.2855

Rectangle

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



70.8005, 0.4214, 0.4395



70.8005, 0.3132, 0.4544



70.8005, 0.2072, 0.2199



70.8005, 0.2982, 0.2347

Sweetspot

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



70.8039, 0.4214, 0.4395



90.0200, 0.3419, 0.3628



32.5255, 0.4512, 0.2890



18.9455, 0.3470, 0.3684



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.



70.8039, 0.4214, 0.4395



66.5092, 0.4415, 0.4532



87.5150, 0.3730, 0.4848



20.2456, 0.3276, 0.3465



30.3363, 0.4742, 0.4617



3.1307, 0.4666, 0.4678

Inverse Universe

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



29.0368, 0.2053, 0.1810



21.7834, 0.1863, 0.1488



21.8473, 0.2173, 0.1438



18.1443, 0.2979, 0.3109



6.0239, 0.1585, 0.0904



0.7544, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 70.8005, 0.4214, 0.4395 looks on a white background.

Color Contrast Check

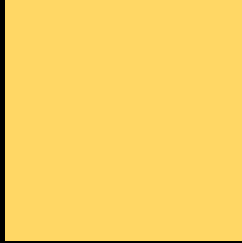
Large Text (above 18pt) WCAG AA × Fail

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 70.8005, 0.4214, 0.4395 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 70.8005, 0.4214, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 70.8005, 0.4214, 0.4395.



This preview shows how white text looks on a background with the Yxy color 70.8005, 0.4214, 0.4395.

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

70.8005, 0.4214, 0.4395

Protanopia

70.6770, 0.4090, 0.4468

Deuteranopia

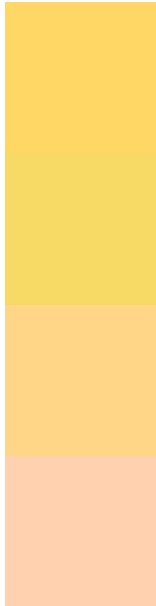
70.6801, 0.3885, 0.3888



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.8005, 0.4214, 0.4395

Protanomaly

70.8763, 0.4127, 0.4444

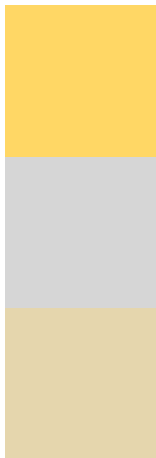
Deuteranomaly

70.5978, 0.4014, 0.4083

Tritanomaly

69.9561, 0.3738, 0.3643

Monochromacy



Original Color

70.8005, 0.4214, 0.4395

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.7683, 0.3532, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8005, 0.4214, 0.4395 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, 215, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 101)  
}
```

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, 215, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 101) }
```

Border

The CSS property to change the border of an element to Yxy 70.8005, 0.4214, 0.4395 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, 215, 101) }
```

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

```
.border{ border-color:rgb(255, 215, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8005, 0.4214, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 101) }
```

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

```
.background{ background-color: rgb(255,  
215, 101) }
```

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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