

Converting Colors

Yxy(62.8464, 0.4386, 0.4340)

Have a look what the booklet for
Yxy(62.8464, 0.4386, 0.4340)
contains.

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Color

Yxy(62.8450, 0.4386, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	FFC75A
RGB	255, 199, 90
RGB Percent	100%, 78%, 35%
CMY	0.0000, 0.2196, 0.6472
CMYK	0.00, 0.22, 0.65, 0.00
HSL	40°, 100%, 68%
HSV	40°, 65%, 100%
XYZ	63.5111, 62.8450, 18.4480
YIQ	203.3180, 68.3650, -22.0270

Conversions

Conversions Part 2

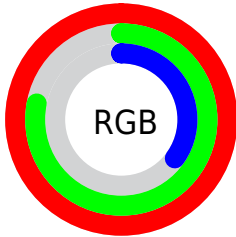
Format	Color
RYB	175, 255, 90
Decimal	16762714
CIELab	83.36, 8.85, 60.64
CIElCh	83, 61.284, 81.700
Yxy	62.8450, 0.4386, 0.4340
Android (android.graphics.Color)	4294952794 (0xFFFFC75A)
YUV	203.3180, -55.8658, 45.3251
Hunter-Lab	79.2748, 4.2744, 41.6950

Details

The Yxy color **62.8450, 0.4386, 0.4340** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.9393, 0.2019, 0.1858**, and the grayscale version is **60.2554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **31.8415, 0.4633, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **58.6144, 0.4585, 0.4430**, and if you desaturate by 10%, it is **67.4525, 0.4173, 0.4212**.

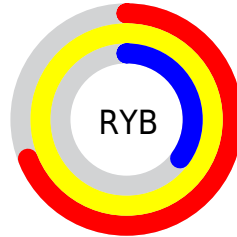
Distribution



Red (100%)

Green (78%)

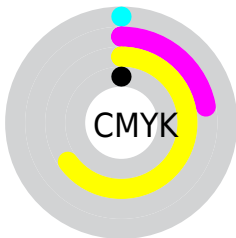
Blue (35%)



Red (69%)

Yellow (100%)

Blue (35%)

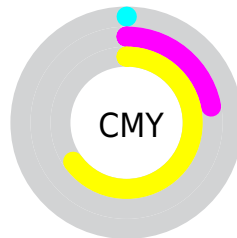


Cyan (0%)

Magenta (22%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8450, 0.4386, 0.4340 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 62.8450, 0.4386, 0.4340 by changing the saturation by 10% instead.


 62.8450, 0.4386,
0.4340


 62.8450, 0.4386,
0.4340


435.0067, 0.3821,
0.3892


 45.7158, 0.4502,
0.4424


 108.9459, 0.4199,
0.4197

 32.0216, 0.4635,
0.4517


 138.6863, 0.4123,
0.4138

 21.3780, 0.4785,
0.4613


 173.3994, 0.4057,
0.4085

 13.4006, 0.4950,
0.4703

 213.4694, 0.3998,
0.4038

 7.7050, 0.5178,
0.4822

259.2807, 0.3946,
0.3995

 3.9068, 0.5254,
0.4746

311.2178, 0.3900,

 1.6215, 0.5379,

0.3957

0.4621

369.6650, 0.3858,
0.3923

■ 0.3721, 0.6049,
0.3951

■ 0.0000, 0.0000,
0.0000

■ 62.8450, 0.4386,
0.4340

■ 62.8450, 0.4386,
0.4340

■ 58.6144, 0.4585,
0.4430

■ 67.4525, 0.4173,
0.4212

■ 54.7386, 0.4760,
0.4471

■ 72.4518, 0.3958,
0.4057

■ 51.1949, 0.4902,
0.4460

■ 77.8593, 0.3748,
0.3887

■ 49.4411, 0.4967,
0.4438

■ 83.6897, 0.3550,
0.3711

■ 89.9564, 0.3367,
0.3536

■ 96.6721, 0.3200,
0.3367

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.



62.8450, 0.4660, 0.3800



62.8450, 0.4386, 0.4340



62.8450, 0.3788, 0.4692

Triad

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



62.8450, 0.4386, 0.4340



62.8450, 0.1936, 0.3125



62.8450, 0.3046, 0.2329

Complementary

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



62.8450, 0.4386, 0.4340



29.9393, 0.2019, 0.1858

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.



62.8450, 0.2368, 0.2135



62.8450, 0.4386, 0.4340



62.8450, 0.1795, 0.2496

Square

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



62.8450, 0.4386, 0.4340



62.8450, 0.2376, 0.3953



62.8450, 0.1943, 0.2176



62.8450, 0.3842, 0.2717

Rectangle

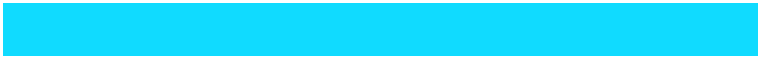
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8450, 0.4386, 0.4340



62.8450, 0.3301, 0.4689



62.8450, 0.1943, 0.2176



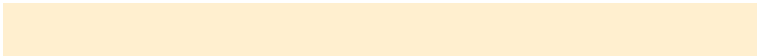
62.8450, 0.2797, 0.2240

Sweetspot

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



62.8458, 0.4386, 0.4340



87.2189, 0.3443, 0.3610



30.6966, 0.4480, 0.2738



18.2867, 0.3496, 0.3660



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.



62.8458, 0.4386, 0.4340



57.3043, 0.4646, 0.4449



89.1213, 0.3851, 0.4881



19.9916, 0.3278, 0.3447



26.1219, 0.4951, 0.4451



2.7460, 0.4842, 0.4537

Inverse Universe

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



29.9393, 0.2019, 0.1858



22.3762, 0.1829, 0.1525



18.1531, 0.2003, 0.1265



18.3851, 0.2979, 0.3128



7.5410, 0.1636, 0.1091



0.9271, 0.1699, 0.1314

Previews

White Background



This preview shows how the Yxy color 62.8450, 0.4386, 0.4340 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 62.8450, 0.4386, 0.4340 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 62.8450, 0.4386, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 62.8450, 0.4386, 0.4340.



This preview shows how white text looks on a background with the Yxy color 62.8450, 0.4386, 0.4340.

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

62.8450, 0.4386, 0.4340

Protanopia

62.8910, 0.4111, 0.4497

Deuteranopia

62.6274, 0.4315, 0.4230



Tritanopia

62.8334, 0.3561, 0.3167

Trichromacy



Original Color

62.8450, 0.4386, 0.4340

Protanomaly

62.9606, 0.4210, 0.4440

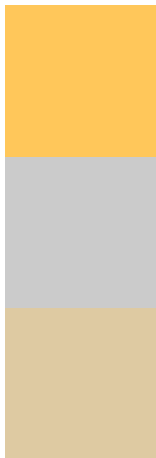
Deuteranomaly

62.5300, 0.4346, 0.4270

Tritanomaly

62.4522, 0.3894, 0.3627

Monochromacy



Original Color

62.8450, 0.4386, 0.4340

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.3793, 0.3589, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8450, 0.4386, 0.4340 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, 199, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 90)  
}
```

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, 199, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 90) }
```

Border

The CSS property to change the border of an element to Yxy 62.8450, 0.4386, 0.4340 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, 199, 90) }
```

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

```
.border{ border-color:rgb(255, 199, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8450, 0.4386, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 90) }
```

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

```
.background{ background-color: rgb(255,  
199, 90) }
```

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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