

Converting Colors

$Y_{xy}(62.8289, 0.4400, 0.4359)$

Have a look what the booklet for
Yxy(62.8289, 0.4400, 0.4359)
contains.

| | |
|---|----|
| Yxy(62.7950, 0.4402, 0.4362) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(62.7950, 0.4402, 0.4362)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFC757 |
| RGB | 255, 199, 87 |
| RGB Percent | 100%, 78%, 34% |
| CMY | 0.0002, 0.2195, 0.6589 |
| CMYK | 0.00, 0.22, 0.66, 0.00 |
| HSL | 40°, 100%, 67% |
| HSV | 40°, 66%, 100% |
| XYZ | 63.3708, 62.7950, 17.7934 |
| YIQ | 202.9760, 69.3280, -22.9600 |

Conversions

Conversions Part 2

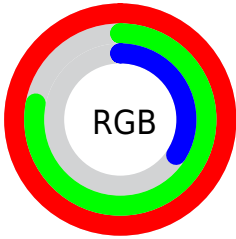
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 171, 255, 87 |
| Decimal | 16762711 |
| CIE _{Lab} | 83.33, 8.64, 61.92 |
| CIE _{LCh} | 83, 62.522, 82.058 |
| Yxy | 62.7950, 0.4402, 0.4362 |
| Android (android.graphics.Color) | 4294952791 (0xFFFFC757) |
| YUV | 202.9760, -57.1762, 45.6250 |
| Hunter-Lab | 79.2433, 4.0706, 42.1573 |

Details

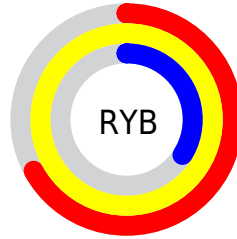
The Yxy color **62.7950, 0.4402, 0.4362** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **28.8612, 0.1997, 0.1814**, and the grayscale version is **60.0376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **31.8191, 0.4650, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **58.6535, 0.4596, 0.4448**, and if you desaturate by 10%, it is **67.3076, 0.4193, 0.4237**.

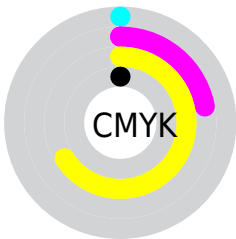
Distribution



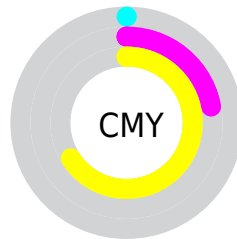
- Red (100%)
- Green (78%)
- Blue (34%)



- Red (67%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (22%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7950, 0.4402, 0.4362 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 62.7950, 0.4402, 0.4362 by changing the saturation by 10% instead.


 62.7950, 0.4402,
0.4362


 62.7950, 0.4402,
0.4362

434.8251, 0.3831,
0.3906


 45.6754, 0.4518,
0.4447


 108.8737, 0.4214,
0.4217

 31.9897, 0.4650,
0.4540


 138.6016, 0.4137,
0.4157

 21.3537, 0.4799,
0.4636


 173.3010, 0.4070,
0.4103

 13.3828, 0.4960,
0.4724

 213.3564, 0.4011,
0.4055

 7.6926, 0.5172,
0.4828

259.1521, 0.3959,
0.4012

 3.8989, 0.5246,
0.4754

311.0725, 0.3912,

 1.6172, 0.5368,

0.3973

0.4632

369.5021, 0.3869,
0.3938

0.3691, 0.6035,
0.3965

0.0000, 0.0000,
0.0000

62.7950, 0.4402,
0.4362

62.7950, 0.4402,
0.4362

58.6535, 0.4596,
0.4448

67.3076, 0.4193,
0.4237

54.8542, 0.4765,
0.4485

72.1995, 0.3979,
0.4083

51.3763, 0.4900,
0.4469

77.4895, 0.3770,
0.3913

50.0246, 0.4949,
0.4452

83.1919, 0.3571,
0.3735

■ 89.3201, 0.3387,
0.3558

■ 95.8868, 0.3218,
0.3387

99.9913, 0.3127,
0.3290

Harmonies

Analogous

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



62.7950, 0.4689, 0.3812



62.7950, 0.4402, 0.4362



62.7950, 0.3789, 0.4722

Triad

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



62.7950, 0.4402, 0.4362



62.7950, 0.1911, 0.3110



62.7950, 0.3053, 0.2316

Complementary

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



62.7950, 0.4402, 0.4362



28.8612, 0.1997, 0.1814

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.



62.7950, 0.2361, 0.2116



62.7950, 0.4402, 0.4362



62.7950, 0.1773, 0.2474

Square

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



62.7950, 0.4402, 0.4362



62.7950, 0.2354, 0.3957



62.7950, 0.1926, 0.2154



62.7950, 0.3865, 0.2712

Rectangle

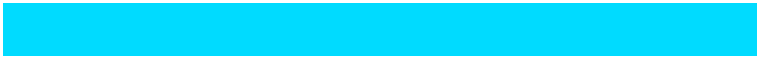
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.7950, 0.4402, 0.4362



62.7950, 0.3293, 0.4718



62.7950, 0.1926, 0.2154



62.7950, 0.2799, 0.2225

Sweetspot

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



62.7981, 0.4402, 0.4362



86.7796, 0.3461, 0.3631



30.0476, 0.4558, 0.2762



18.2070, 0.3513, 0.3681



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.



62.7981, 0.4402, 0.4362



57.4562, 0.4652, 0.4465



88.5030, 0.3839, 0.4914



20.0118, 0.3277, 0.3448



26.4353, 0.4934, 0.4465



2.7749, 0.4827, 0.4549

Inverse Universe

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



28.8612, 0.1997, 0.1814



21.5759, 0.1813, 0.1485



17.6743, 0.1999, 0.1239



18.3658, 0.2979, 0.3127



7.4034, 0.1632, 0.1074



0.9120, 0.1694, 0.1297

Previews

White Background



This preview shows how the Yxy color 62.7950, 0.4402, 0.4362 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 62.7950, 0.4402, 0.4362 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 62.7950, 0.4402, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 62.7950, 0.4402, 0.4362.



This preview shows how white text looks on a background with the Yxy color 62.7950, 0.4402, 0.4362.

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

62.7950, 0.4402, 0.4362

Protanopia

62.8389, 0.4127, 0.4522

Deuteranopia

62.6075, 0.4321, 0.4238



Tritanopia

62.7859, 0.3569, 0.3177

Trichromacy



Original Color

62.7950, 0.4402, 0.4362

Protanomaly

62.9092, 0.4227, 0.4464

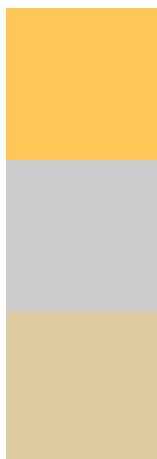
Deuteranomaly

62.5112, 0.4352, 0.4278

Tritanomaly

62.3816, 0.3910, 0.3647

Monochromacy



Original Color

62.7950, 0.4402, 0.4362

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.3439, 0.3597, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7950, 0.4402, 0.4362 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 87) }
```

Border

The CSS property to change the border of an element to Yxy 62.7950, 0.4402, 0.4362 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, 87) }
```

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

```
.border{ border-color:rgb(255, 199, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7950, 0.4402, 0.4362 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
199, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor