

Converting Colors

$Y_{xy}(42.3575, 0.4481, 0.4049)$

Have a look what the booklet for
Yxy(42.3575, 0.4481, 0.4049)
contains.

Yxy(42.3575, 0.4481, 0.4049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3575, 0.4481, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	E69F5A
RGB	230, 159, 90
RGB Percent	90%, 62%, 35%
CMY	0.0980, 0.3764, 0.6471
CMYK	0.00, 0.31, 0.61, 0.10
HSL	30°, 74%, 63%
HSV	30°, 61%, 90%
XYZ	46.8767, 42.3575, 15.3780
YIQ	172.3630, 64.4650, -6.4070

Conversions

Conversions Part 2

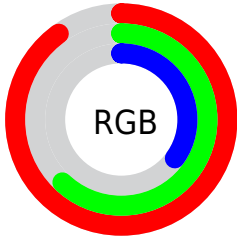
Format	Color
R _{YB}	230, 226, 90
Decimal	15114074
CIE Lab	71.12, 19.54, 46.05
CIE LCh	71, 50.021, 67.007
Yxy	42.3575, 0.4481, 0.4049
Android (android.graphics.Color)	4293304154 (0xFFE69F5A)
YUV	172.3630, -40.6050, 50.5476
Hunter-Lab	65.0826, 14.6727, 31.5486

Details

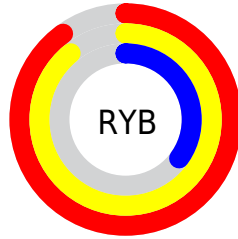
The Yxy color **42.3575, 0.4481, 0.4049** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **33.3749, 0.2166, 0.2313**, and the grayscale version is **41.6352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3061, 0.3961, 0.4026**, and **19.3265, 0.4844, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **38.2025, 0.4761, 0.4121**, and if you desaturate by 10%, it is **47.0164, 0.4205, 0.3945**.

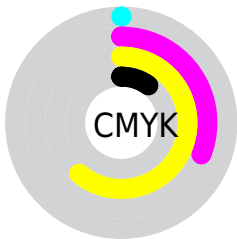
Distribution



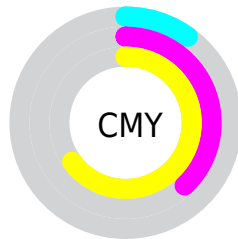
- Red (90%)
- Green (62%)
- Blue (35%)



- Red (90%)
- Yellow (89%)
- Blue (35%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)
- Black (10%)





- Cyan (10%)
- Magenta (38%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3575, 0.4481, 0.4049 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 42.3575, 0.4481, 0.4049 by changing the saturation by 10% instead.


 42.3575, 0.4481,
0.4049


 42.3575, 0.4481,
0.4049


355.9628, 0.3809,
0.3715

 29.3813, 0.4638,
0.4111


 78.7404, 0.4243,
0.3942


 19.3695, 0.4830,
0.4177


 102.9159, 0.4151,
0.3897

 11.9376, 0.5065,
0.4238


 131.5933, 0.4073,
0.3857

 6.7012, 0.5370,
0.4289

 165.1570, 0.4005,
0.3822

 3.2759, 0.5732,
0.4268

203.9915, 0.3946,
0.3791

 1.2774, 0.6018,
0.3982

248.4810, 0.3895,

 0.1236, 0.8278,

0.3763

0.1722

299.0099, 0.3849,
0.3737

0.0000, 0.0000,
0.0000

42.3575, 0.4481,
0.4049

42.3575, 0.4481,
0.4049

38.2025, 0.4761,
0.4121

47.0164, 0.4205,
0.3945

34.5230, 0.5029,
0.4149

52.1930, 0.3944,
0.3821


31.2965, 0.5266,
0.4122

57.9082, 0.3706,
0.3688


28.7150, 0.5449,
0.4056

64.1793, 0.3493,
0.3554

71.0232, 0.3305,
0.3424

 78.4555, 0.3140,
0.3300

 86.4915, 0.2997,
0.3185

 93.8605, 0.2975,
0.3263

 95.5629, 0.2976,
0.3290

Harmonies

Analogous

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



42.3575, 0.4526, 0.3517



42.3575, 0.4481, 0.4049



42.3575, 0.4055, 0.4481

Triad

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



42.3575, 0.4481, 0.4049



42.3575, 0.2181, 0.3511



42.3575, 0.2718, 0.2269

Complementary

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



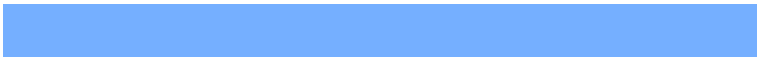
42.3575, 0.4481, 0.4049



33.3749, 0.2166, 0.2313

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.



42.3575, 0.2187, 0.2192



42.3575, 0.4481, 0.4049



42.3575, 0.1904, 0.2807

Square

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



42.3575, 0.4481, 0.4049



42.3575, 0.2722, 0.4240



42.3575, 0.1910, 0.2359



42.3575, 0.3434, 0.2554

Rectangle

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



42.3575, 0.4481, 0.4049



42.3575, 0.3637, 0.4615



42.3575, 0.1910, 0.2359



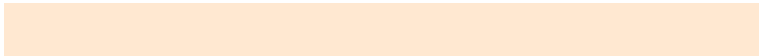
42.3575, 0.2515, 0.2218

Sweetspot

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



42.3596, 0.4481, 0.4049



83.4264, 0.3438, 0.3518



26.7561, 0.4010, 0.2504



17.3319, 0.3496, 0.3556



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.



42.3596, 0.4481, 0.4049



47.0390, 0.4831, 0.4133



72.8644, 0.3997, 0.4687



15.5353, 0.3280, 0.3406



16.5008, 0.5424, 0.4075



1.4050, 0.5197, 0.4255

Inverse Universe

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



33.3749, 0.2166, 0.2313



34.7620, 0.2003, 0.2070



15.5994, 0.1950, 0.1361



15.0893, 0.2981, 0.3171



10.6345, 0.1779, 0.1606



0.9717, 0.1852, 0.1867

Previews

White Background



This preview shows how the Yxy color 42.3575, 0.4481, 0.4049 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 42.3575, 0.4481, 0.4049 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 42.3575, 0.4481, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 42.3575, 0.4481, 0.4049.



This preview shows how white text looks on a background with the Yxy color 42.3575, 0.4481, 0.4049.

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

42.3575, 0.4481, 0.4049

Protanopia

42.6926, 0.3960, 0.4320

Deuteranopia

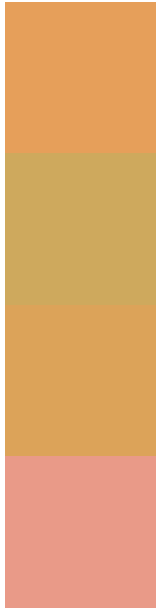
42.2732, 0.4291, 0.4205



Tritanopia

42.4040, 0.3873, 0.3167

Trichromacy



Original Color

42.3575, 0.4481, 0.4049

Protanomaly

42.2881, 0.4152, 0.4219

Deuteranomaly

42.1313, 0.4363, 0.4139

Tritanomaly

42.2124, 0.4112, 0.3499

Monochromacy



Original Color

42.3575, 0.4481, 0.4049

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.9279, 0.3602, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3575, 0.4481, 0.4049 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(230, 159, 90)` looks like.

```
.text, #text, p{  
  color:rgb(230, 159, 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(230, 159, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 159, 90) }
```

Border

The CSS property to change the border of an element to Yxy 42.3575, 0.4481, 0.4049 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(230, 159, 90) }
```

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

```
.border{ border-color:rgb(230, 159, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 159, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 159, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 159, 90);  
box-shadow:4px 4px 4px 4px rgb(230, 159,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3575, 0.4481, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 159, 90) }
```

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

```
.background{ background-color: rgb(230,  
159, 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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