

Converting Colors

$Y_{xy}(42.6539, 0.4450, 0.4026)$

Have a look what the booklet for
Yxy(42.6539, 0.4450, 0.4026)
contains.

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Color

Yxy(42.7549, 0.4449, 0.4031)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E6A05D |
| RGB | 230, 160, 93 |
| RGB Percent | 90%, 63%, 36% |
| CMY | 0.0979, 0.3726, 0.6353 |
| CMYK | 0.00, 0.30, 0.60, 0.10 |
| HSL | 29°, 73%, 63% |
| HSV | 29°, 60%, 90% |
| XYZ | 47.1884, 42.7549, 16.1219 |
| YIQ | 173.2920, 63.2270, -5.9970 |

Conversions

Conversions Part 2

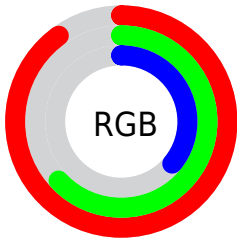
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 230, 224, 93 |
| Decimal | 15114333 |
| CIE _{Lab} | 71.39, 19.24, 44.86 |
| CIE _{LCh} | 71, 48.815, 66.785 |
| Yxy | 42.7549, 0.4449, 0.4031 |
| Android (android.graphics.Color) | 4293304413 (0xFFE6A05D) |
| YUV | 173.2920, -39.5840, 49.7329 |
| Hunter-Lab | 65.3872, 14.3916, 31.1525 |

Details

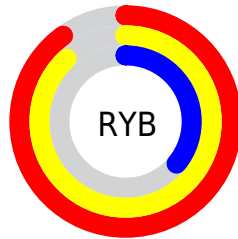
The Yxy color **42.7549, 0.4449, 0.4031** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **34.2552, 0.2186, 0.2347**, and the grayscale version is **42.1296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9052, 0.3936, 0.4006**, and **19.5649, 0.4796, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **38.5231, 0.4731, 0.4107**, and if you desaturate by 10%, it is **47.4991, 0.4173, 0.3924**.

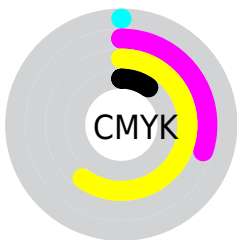
Distribution



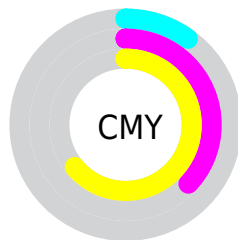
- Red (90%)
- Green (63%)
- Blue (36%)



- Red (90%)
- Yellow (88%)
- Blue (36%)



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (10%)



- Cyan (10%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7549, 0.4449, 0.4031 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 42.7549, 0.4449, 0.4031 by changing the saturation by 10% instead.


 42.7549, 0.4449,
0.4031


 42.7549, 0.4449,
0.4031


357.6028, 0.3792,
0.3703

 29.6929, 0.4603,
0.4093

 79.3409, 0.4216,
0.3925


 19.6056, 0.4793,
0.4160


 103.6336, 0.4126,
0.3881

 12.1087, 0.5026,
0.4223


 132.4386, 0.4050,
0.3842

 6.8177, 0.5321,
0.4273

 166.1404, 0.3984,
0.3808

 3.3484, 0.5714,
0.4286

205.1233, 0.3926,
0.3777

 1.3162, 0.5992,
0.4008

249.7718, 0.3876,

 0.1537, 0.8003,

0.3750

0.1997

300.4701, 0.3832,
0.3725

0.0000, 0.0000,
0.0000

42.7549, 0.4449,
0.4031

42.7549, 0.4449,
0.4031

38.5231, 0.4731,
0.4107

47.4991, 0.4173,
0.3924

34.7754, 0.5004,
0.4140

52.7696, 0.3913,
0.3800

31.4893, 0.5248,
0.4120

58.5873, 0.3678,
0.3668

28.6309, 0.5452,
0.4049

64.9698, 0.3467,
0.3535

28.5162, 0.5461,
0.4046

71.9340, 0.3282,
0.3407

■ 79.4956, 0.3121,
0.3285

■ 87.6700, 0.2980,
0.3172

■ 94.9703, 0.2976,
0.3280

■ 95.5689, 0.2976,
0.3290

Harmonies

Analogous

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



42.7549, 0.4488, 0.3511



42.7549, 0.4449, 0.4031



42.7549, 0.4038, 0.4450

Triad

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



42.7549, 0.4449, 0.4031



42.7549, 0.2208, 0.3512



42.7549, 0.2725, 0.2291

Complementary

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



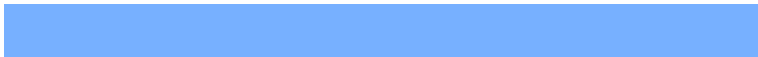
42.7549, 0.4449, 0.4031



34.2552, 0.2186, 0.2347

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.



42.7549, 0.2206, 0.2218



42.7549, 0.4449, 0.4031



42.7549, 0.1934, 0.2827

Square

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



42.7549, 0.4449, 0.4031



42.7549, 0.2739, 0.4215



42.7549, 0.1937, 0.2386



42.7549, 0.3421, 0.2568

Rectangle

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



42.7549, 0.4449, 0.4031



42.7549, 0.3632, 0.4578



42.7549, 0.1937, 0.2386



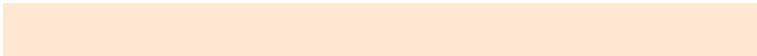
42.7549, 0.2527, 0.2242

Sweetspot

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



42.7570, 0.4449, 0.4031



83.3214, 0.3439, 0.3516



27.3316, 0.3982, 0.2517



17.3063, 0.3496, 0.3554



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.



42.7570, 0.4449, 0.4031



47.7539, 0.4783, 0.4117



72.9697, 0.3983, 0.4665



15.5253, 0.3280, 0.3405



16.3820, 0.5436, 0.4066



1.3961, 0.5207, 0.4248

Inverse Universe

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



34.2552, 0.2186, 0.2347



36.1278, 0.2029, 0.2119



16.2790, 0.1976, 0.1403



15.0992, 0.2981, 0.3172



10.7586, 0.1783, 0.1619



0.9809, 0.1855, 0.1879

Previews

White Background



This preview shows how the Yxy color 42.7549, 0.4449, 0.4031 looks on a white background.

Color Contrast Check

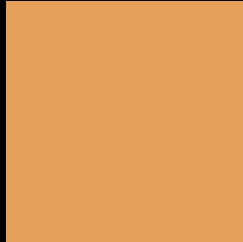
Large Text (above 18pt) WCAG AA × Fail

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 42.7549, 0.4449, 0.4031 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 42.7549, 0.4449, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 42.7549, 0.4449, 0.4031.



This preview shows how white text looks on a background with the Yxy color 42.7549, 0.4449, 0.4031.

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

42.7549, 0.4449, 0.4031

Protanopia

42.7483, 0.3937, 0.4285

Deuteranopia

42.8398, 0.4269, 0.4182



Tritanopia

42.7630, 0.3859, 0.3167

Trichromacy



Original Color

42.7549, 0.4449, 0.4031

Protanomaly

42.7158, 0.4122, 0.4198

Deuteranomaly

42.5393, 0.4332, 0.4120

Tritanomaly

42.6013, 0.4086, 0.3488

Monochromacy



Original Color

42.7549, 0.4449, 0.4031

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.4882, 0.3590, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7549, 0.4449, 0.4031 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, 160, 93)` looks like.

```
.text, #text, p{  
    color:rgb(230, 160, 93)  
}
```

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, 160, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 160, 93) }
```

Border

The CSS property to change the border of an element to Yxy 42.7549, 0.4449, 0.4031 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, 160, 93) }
```

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

```
.border{ border-color:rgb(230, 160, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 160, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 160, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 160, 93);  
box-shadow:4px 4px 4px 4px rgb(230, 160,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7549, 0.4449, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 160, 93) }
```

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

```
.background{ background-color: rgb(230,  
160, 93) }
```

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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