

Converting Colors

$Y_{xy}(52.2790, 0.4473, 0.4426)$

Have a look what the booklet for
Yxy(52.2790, 0.4473, 0.4426)
contains.

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Color

Yxy(52.3012, 0.4479, 0.4426)

Conversions

Conversions Part 1

Format	Color
Hex	EDB745
RGB	237, 183, 69
RGB Percent	93%, 72%, 27%
CMY	0.0707, 0.2823, 0.7293
CMYK	0.00, 0.23, 0.71, 0.07
HSL	41°, 82%, 60%
HSV	41°, 71%, 93%
XYZ	52.9275, 52.3012, 12.9394
YIQ	186.1500, 68.7780, -24.0060

Conversions

Conversions Part 2

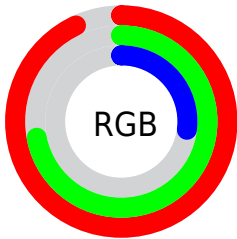
Format	Color
RYB	149, 237, 69
Decimal	15578949
CIELab	77.46, 8.51, 62.81
CIELCh	77, 63.384, 82.286
Yxy	52.3012, 0.4479, 0.4426
Android (android.graphics.Color)	4293769029 (0xFFEDB745)
YUV	186.1500, -57.7550, 44.5954
Hunter-Lab	72.3196, 4.0770, 40.0155

Details

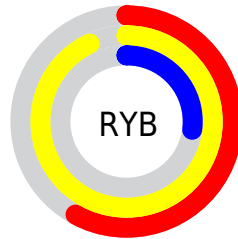
The Yxy color **52.3012, 0.4479, 0.4426** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.5417, 0.1919, 0.1666**, and the grayscale version is **49.4947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4231, 0.3959, 0.4417**, and **25.3146, 0.4751, 0.4605** is the 20% darker color. If you saturate the color by 10%, you get **49.0090, 0.4656, 0.4492**, and if you desaturate by 10%, it is **55.8859, 0.4281, 0.4316**.

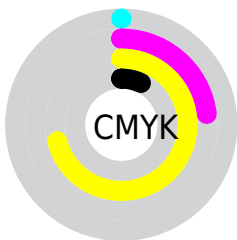
Distribution



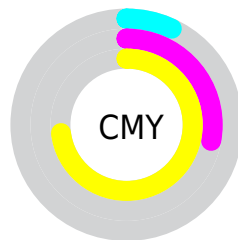
- Red (93%)
- Green (72%)
- Blue (27%)



- Red (58%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (23%)
- Yellow (71%)
- Black (7%)




- Cyan (7%)
- Magenta (28%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3012, 0.4479, 0.4426 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 52.3012, 0.4479, 0.4426 by changing the saturation by 10% instead.


 52.3012, 0.4479,
0.4426

 52.3012, 0.4479,
0.4426

395.5983, 0.3861,
0.3934


 37.2452, 0.4604,
0.4516


 93.5753, 0.4274,
0.4270


 25.3974, 0.4746,
0.4611


 120.5622, 0.4191,
0.4205


 16.3734, 0.4901,
0.4703


 152.2948, 0.4119,
0.4146

 9.7888, 0.5113,
0.4825

 189.1577, 0.4054,
0.4094

 5.2591, 0.5206,
0.4794

 231.5350, 0.3998,
0.4048

 2.4001, 0.5303,
0.4697

279.8113, 0.3947,

 0.8259, 0.5481,

0.4006

0.4519

334.3709, 0.3902,
0.3968

0.0000, 0.0000,
0.0000

52.3012, 0.4479,
0.4426

52.3012, 0.4479,
0.4426

49.0090, 0.4656,
0.4492

55.8859, 0.4281,
0.4316

45.9840, 0.4804,
0.4507


59.7705, 0.4073,
0.4173


43.4337, 0.4914,
0.4480

63.9710, 0.3865,
0.4008


68.4997, 0.3664,
0.3831

73.3677, 0.3474,
0.3651

 78.5858, 0.3299,
0.3474

 84.1639, 0.3140,
0.3304

 89.8770, 0.3018,
0.3180

 94.5522, 0.3017,
0.3256

Harmonies

Analogous

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



52.3012, 0.4801, 0.3834



52.3012, 0.4479, 0.4426



52.3012, 0.3817, 0.4830

Triad

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



52.3012, 0.4479, 0.4426



52.3012, 0.1827, 0.3081



52.3012, 0.3050, 0.2257

Complementary

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



52.3012, 0.4479, 0.4426



21.5417, 0.1919, 0.1666

Split Complementary

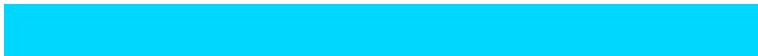
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.3012, 0.2311, 0.2043



52.3012, 0.4479, 0.4426



52.3012, 0.1688, 0.2406

Square

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



52.3012, 0.4479, 0.4426



52.3012, 0.2289, 0.4005



52.3012, 0.1852, 0.2077



52.3012, 0.3927, 0.2675

Rectangle

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



52.3012, 0.4479, 0.4426



52.3012, 0.3286, 0.4837



52.3012, 0.1852, 0.2077



52.3012, 0.2777, 0.2161

Sweetspot

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



52.3038, 0.4479, 0.4426



86.5280, 0.3478, 0.3654



23.7407, 0.4720, 0.2750



18.1712, 0.3529, 0.3704



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.



52.3038, 0.4479, 0.4426



56.2506, 0.4726, 0.4505



74.5374, 0.3864, 0.4997



16.7636, 0.3276, 0.3449



23.9662, 0.4899, 0.4492



2.0546, 0.4777, 0.4589

Inverse Universe

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



21.5417, 0.1919, 0.1666



18.3386, 0.1736, 0.1315



12.9148, 0.1915, 0.1107



15.3390, 0.2980, 0.3125



6.3815, 0.1625, 0.1051



0.6694, 0.1702, 0.1326

Previews

White Background



This preview shows how the Yxy color 52.3012, 0.4479, 0.4426 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 52.3012, 0.4479, 0.4426 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 52.3012, 0.4479, 0.4426

Background



This preview shows how black text looks on a background with the Yxy color 52.3012, 0.4479, 0.4426.



This preview shows how white text looks on a background with the Yxy color 52.3012, 0.4479, 0.4426.

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

52.3012, 0.4479, 0.4426

Protanopia

52.4633, 0.4190, 0.4604

Deuteranopia

52.2363, 0.4505, 0.4407



Tritanopia

52.0411, 0.3679, 0.3140

Trichromacy



Original Color

52.3012, 0.4479, 0.4426

Protanomaly

52.3797, 0.4289, 0.4543

Deuteranomaly

52.0627, 0.4496, 0.4412

Tritanomaly

51.5204, 0.4026, 0.3645

Monochromacy



Original Color

52.3012, 0.4479, 0.4426

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.6602, 0.3647, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3012, 0.4479, 0.4426 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(237, 183, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 183, 69)  
}
```

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(237, 183, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 183, 69) }
```

Border

The CSS property to change the border of an element to Yxy 52.3012, 0.4479, 0.4426 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(237, 183, 69) }
```

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

```
.border{ border-color:rgb(237, 183, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 183, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 183, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 183, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 183,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3012, 0.4479, 0.4426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 183, 69) }
```

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

```
.background{ background-color: rgb(237,  
183, 69) }
```

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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