

Converting Colors

Yxy(50.9742, 0.4514, 0.4603)

Have a look what the booklet for
Yxy(50.9742, 0.4514, 0.4603)
contains.

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Color

Yxy(50.8872, 0.4521, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	E6B72E
RGB	230, 183, 46
RGB Percent	90%, 72%, 18%
CMY	0.0981, 0.2823, 0.8193
CMYK	0.00, 0.20, 0.80, 0.10
HSL	45°, 79%, 54%
HSV	45°, 80%, 90%
XYZ	50.0568, 50.8872, 9.7766
YIQ	181.4350, 71.9890, -32.6430

Conversions

Conversions Part 2

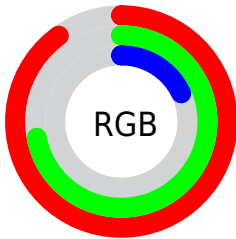
Format	Color
RYB	109, 230, 46
Decimal	15120174
CIELab	76.61, 4.60, 70.12
CIELCh	77, 70.266, 86.249
Yxy	50.8872, 0.4521, 0.4596
Android (android.graphics.Color)	4293310254 (0xFFE6B72E)
YUV	181.4350, -66.7695, 42.5915
Hunter-Lab	71.3353, 0.4188, 41.8089

Details

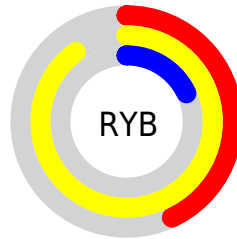
The Yxy color **50.8872, 0.4521, 0.4596** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **14.1328, 0.1757, 0.1285**, and the grayscale version is **46.8016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9925, 0.4055, 0.4565**, and **24.5113, 0.4677, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **48.3809, 0.4644, 0.4629**, and if you desaturate by 10%, it is **53.5967, 0.4369, 0.4514**.

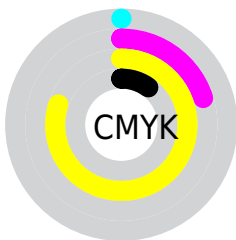
Distribution



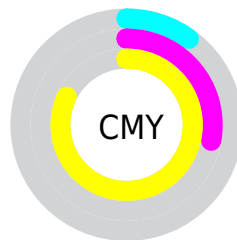
- Red (90%)
- Green (72%)
- Blue (18%)



- Red (43%)
- Yellow (90%)
- Blue (18%)



- Cyan (0%)
- Magenta (20%)
- Yellow (80%)
- Black (10%)





- Cyan (10%)
- Magenta (28%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8872, 0.4521, 0.4596 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 50.8872, 0.4521, 0.4596 by changing the saturation by 10% instead.


 50.8872, 0.4521,
0.4596


 50.8872, 0.4521,
0.4596


390.1254, 0.3902,
0.4035


 36.1188, 0.4637,
0.4694


 91.4880, 0.4323,
0.4422


 24.5260, 0.4761,
0.4795


 118.0893, 0.4240,
0.4347


 15.7243, 0.4888,
0.4889


 149.4036, 0.4167,
0.4280

 9.3292, 0.5023,
0.4977

 185.8154, 0.4102,
0.4220

 4.9566, 0.5058,
0.4942

 227.7091, 0.4043,
0.4166

 2.2218, 0.5114,
0.4886

 275.4691, 0.3991,

 0.7318, 0.5247,

0.4118

0.4753

329.4797, 0.3945,
0.4074

■ 0.0000, 0.0000,
0.0000

■ 50.8872, 0.4521,
0.4596

■ 50.8872, 0.4521,
0.4596

■ 48.3809, 0.4644,
0.4629

■ 53.5967, 0.4369,
0.4514

■ 46.0457, 0.4739,
0.4619

■ 56.5167, 0.4196,
0.4390

■ 46.0372, 0.4739,
0.4619

■ 59.6623, 0.4010,
0.4232

■ 63.0446, 0.3819,
0.4053

■ 66.6738, 0.3631,
0.3861

■ 70.5592, 0.3451,
0.3666

■ 74.7094, 0.3282,
0.3474

■ 79.1326, 0.3127,
0.3289

■ 83.8365, 0.2985,
0.3115

Harmonies

Analogous

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



50.8872, 0.4960, 0.3945



50.8872, 0.4521, 0.4596



50.8872, 0.3751, 0.5033

Triad

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



50.8872, 0.4521, 0.4596



50.8872, 0.1658, 0.2921



50.8872, 0.3161, 0.2207

Complementary

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



50.8872, 0.4521, 0.4596



14.1328, 0.1757, 0.1285

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.



50.8872, 0.2314, 0.1944



50.8872, 0.4521, 0.4596



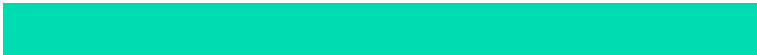
50.8872, 0.1561, 0.2236

Square

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



50.8872, 0.4521, 0.4596



50.8872, 0.2105, 0.3953



50.8872, 0.1778, 0.1937



50.8872, 0.4141, 0.2681

Rectangle

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



50.8872, 0.4521, 0.4596



50.8872, 0.3162, 0.5003



50.8872, 0.1778, 0.1937



50.8872, 0.2849, 0.2093

Sweetspot

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



50.8897, 0.4521, 0.4596



87.0952, 0.3525, 0.3747



19.6088, 0.5243, 0.2882



18.2678, 0.3590, 0.3817



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.



50.8897, 0.4521, 0.4596



59.1907, 0.4708, 0.4625



67.3553, 0.3802, 0.5195



16.1612, 0.3274, 0.3464



26.2744, 0.4729, 0.4627



2.0884, 0.4633, 0.4703

Inverse Universe

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



14.1328, 0.1757, 0.1285



12.0148, 0.1600, 0.0936



9.7960, 0.1848, 0.0934



14.4825, 0.2981, 0.3110



5.1567, 0.1584, 0.0903



0.5275, 0.1662, 0.1182

Previews

White Background



This preview shows how the Yxy color 50.8872, 0.4521, 0.4596 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 50.8872, 0.4521, 0.4596 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 50.8872, 0.4521, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 50.8872, 0.4521, 0.4596.



This preview shows how white text looks on a background with the Yxy color 50.8872, 0.4521, 0.4596.

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

50.8872, 0.4521, 0.4596

Protanopia

51.1864, 0.4303, 0.4748

Deuteranopia

51.0331, 0.4610, 0.4514



Tritanopia

50.9372, 0.3634, 0.3148

Trichromacy



Original Color

50.8872, 0.4521, 0.4596

Protanomaly

50.8060, 0.4386, 0.4691

Deuteranomaly

50.9152, 0.4579, 0.4545

Tritanomaly

50.2140, 0.4052, 0.3752

Monochromacy



Original Color

50.8872, 0.4521, 0.4596

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2640, 0.3694, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8872, 0.4521, 0.4596 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, 183, 46)` looks like.

```
.text, #text, p{  
    color:rgb(230, 183, 46)  
}
```

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, 183, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 183, 46) }
```

Border

The CSS property to change the border of an element to Yxy 50.8872, 0.4521, 0.4596 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, 183, 46) }
```

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

```
.border{ border-color:rgb(230, 183, 46) }
```

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

Here you see how a box with a 4 pixel rgb(230, 183, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 183, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 183, 46);  
box-shadow:4px 4px 4px 4px rgb(230, 183,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8872, 0.4521, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 183, 46) }
```

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

```
.background{ background-color: rgb(230,  
183, 46) }
```

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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