

Converting Colors

$Y_{xy}(52.2762, 0.4600, 0.4730)$

Have a look what the booklet for
Yxy(52.2762, 0.4600, 0.4730)
contains.

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Color

Yxy(52.2736, 0.4600, 0.4730)

Conversions

Conversions Part 1

Format	Color
Hex	E8BA00
RGB	232, 186, 0
RGB Percent	91%, 73%, 0%
CMY	0.0902, 0.2706, 1.0000
CMYK	0.00, 0.20, 1.00, 0.09
HSL	48°, 100%, 45%
HSV	48°, 100%, 91%
XYZ	50.8369, 52.2736, 7.4045
YIQ	178.5500, 87.1220, -48.0940

Conversions

Conversions Part 2

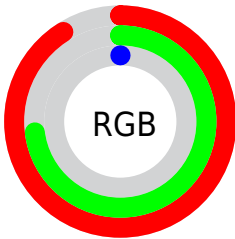
Format	Color
RYB	57, 232, 0
Decimal	15251968
CIELab	77.44, 3.09, 79.48
CIELCh	77, 79.536, 87.773
Yxy	52.2736, 0.4600, 0.4730
Android (android.graphics.Color)	4293442048 (0xFFE8BA00)
YUV	178.5500, -88.0251, 46.8757
Hunter-Lab	72.3005, -1.0165, 44.5383

Details

The Yxy color **52.2736, 0.4600, 0.4730** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **7.7796, 0.1549, 0.0775**, and the grayscale version is **45.2717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3735, 0.4130, 0.4732**, and **25.4330, 0.4646, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **52.2766, 0.4600, 0.4730**, and if you desaturate by 10%, it is **54.3086, 0.4526, 0.4729**.

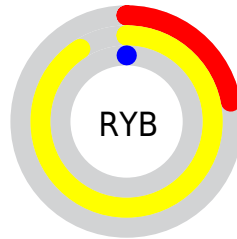
Distribution



Red (91%)

Green (73%)

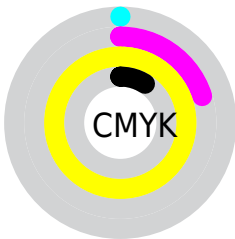
Blue (0%)



Red (22%)

Yellow (91%)

Blue (0%)

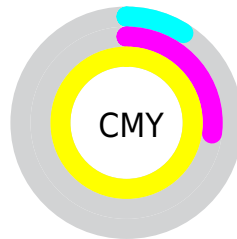


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2736, 0.4600, 0.4730 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 52.2736, 0.4600, 0.4730 by changing the saturation by 10% instead.


 52.2736, 0.4600,
0.4730


 52.2736, 0.4600,
0.4730

395.4919, 0.3976,
0.4135

 37.2232, 0.4705,
0.4824


 93.5346, 0.4410,
0.4553


 25.3804, 0.4809,
0.4914


 120.5140, 0.4327,
0.4474

 16.3607, 0.4933,
0.5018


 152.2386, 0.4253,
0.4403

 9.7797, 0.4973,
0.5027

 189.0926, 0.4185,
0.4338

 5.2532, 0.4996,
0.5004

 231.4606, 0.4125,
0.4280

 2.3966, 0.5032,
0.4968

 279.7269, 0.4070,

 0.8241, 0.5103,

0.4227

0.4897

334.2759, 0.4021,
0.4178

■ 0.0000, 0.0000,
0.0000

■ 52.2736, 0.4600,
0.4730

■ 52.2736, 0.4600,
0.4730

■ 52.2766, 0.4600,
0.4730

■ 54.3086, 0.4526,
0.4729

■ 56.4787, 0.4425,
0.4686

■ 58.8112, 0.4296,
0.4596

■ 61.3207, 0.4144,
0.4463

■ 64.0194, 0.3975,
0.4296

■ 66.9181, 0.3798,
0.4106

■ 70.0264, 0.3620,
0.3902

■ 73.3533, 0.3446,
0.3694

■ 76.9070, 0.3281,
0.3488

Harmonies

Analogous

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



52.2736, 0.5137, 0.4002



52.2736, 0.4600, 0.4730



52.2736, 0.3733, 0.5247

Triad

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



52.2736, 0.4600, 0.4730



52.2736, 0.1500, 0.2809



52.2736, 0.3210, 0.2125

Complementary

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



52.2736, 0.4600, 0.4730



7.7796, 0.1549, 0.0775

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.



52.2736, 0.2264, 0.1829



52.2736, 0.4600, 0.4730



52.2736, 0.1423, 0.2091

Square

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



52.2736, 0.4600, 0.4730



52.2736, 0.1951, 0.3970



52.2736, 0.1672, 0.1800



52.2736, 0.4311, 0.2643

Rectangle

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



52.2736, 0.4600, 0.4730



52.2736, 0.3087, 0.5218



52.2736, 0.1672, 0.1800



52.2736, 0.2861, 0.1999

Sweetspot

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



52.2766, 0.4600, 0.4730



86.7171, 0.3623, 0.3906



17.3562, 0.6105, 0.3137



18.2050, 0.3698, 0.3993



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.



52.2766, 0.4600, 0.4730



64.6587, 0.4602, 0.4728



65.4366, 0.3666, 0.5472



16.3062, 0.3272, 0.3477



29.2032, 0.4592, 0.4736



2.2820, 0.4523, 0.4791

Inverse Universe

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



7.7796, 0.1549, 0.0775



9.5487, 0.1547, 0.0769



7.1135, 0.1689, 0.0704



14.3474, 0.2980, 0.3096



4.4594, 0.1555, 0.0797



0.4585, 0.1626, 0.1054

Previews

White Background



This preview shows how the Yxy color 52.2736, 0.4600, 0.4730 looks on a white background.

Color Contrast Check

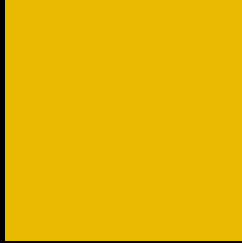
Large Text (above 18pt) WCAG AA × Fail

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 52.2736, 0.4600, 0.4730 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 52.2736, 0.4600, 0.4730

Background



This preview shows how black text looks on a background with the Yxy color 52.2736, 0.4600, 0.4730.



This preview shows how white text looks on a background with the Yxy color 52.2736, 0.4600, 0.4730.

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

52.2736, 0.4600, 0.4730

Protanopia

52.3201, 0.4395, 0.4870

Deuteranopia

52.3706, 0.4704, 0.4610



Tritanopia

52.3096, 0.3638, 0.3149

Trichromacy



Original Color

52.2736, 0.4600, 0.4730

Protanomaly

52.3697, 0.4470, 0.4820

Deuteranomaly

52.0660, 0.4669, 0.4653

Tritanomaly

51.3259, 0.4190, 0.3950

Monochromacy



Original Color

52.2736, 0.4600, 0.4730

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.6766, 0.3831, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2736, 0.4600, 0.4730 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(232, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 186, 0)  
}
```

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(232, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.2736, 0.4600, 0.4730 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(232, 186, 0) }
```

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

```
.border{ border-color:rgb(232, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2736, 0.4600, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 186, 0) }
```

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

```
.background{ background-color: rgb(232,  
186, 0) }
```

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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