

Converting Colors

$Yxy(49.3313, 0.4699, 0.4595)$

Have a look what the booklet for
Yxy(49.3313, 0.4699, 0.4595)
contains.

Yxy(49.3313, 0.4699, 0.4595)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.3313, 0.4699, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	ECB115
RGB	236, 177, 21
RGB Percent	93%, 69%, 8%
CMY	0.0746, 0.3058, 0.9170
CMYK	0.00, 0.25, 0.91, 0.07
HSL	44°, 85%, 50%
HSV	44°, 91%, 93%
XYZ	50.4478, 49.3313, 7.5795
YIQ	176.8570, 85.2400, -36.0080

Conversions

Conversions Part 2

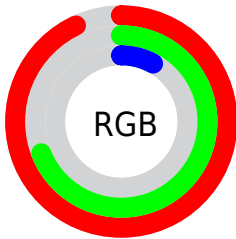
Format	Color
RYB	102, 236, 21
Decimal	15511829
CIELab	75.66, 9.76, 75.76
CIELCh	76, 76.382, 82.662
Yxy	49.3313, 0.4699, 0.4595
Android (android.graphics.Color)	4293701909 (0xFFECB115)
YUV	176.8570, -76.8375, 51.8684
Hunter-Lab	70.2362, 5.2958, 42.7671

Details

The Yxy color **49.3313, 0.4699, 0.4595** 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 **11.9734, 0.1651, 0.1079**, and the grayscale version is **44.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6778, 0.4169, 0.4623**, and **23.7812, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **47.0331, 0.4789, 0.4579**, and if you desaturate by 10%, it is **52.0872, 0.4572, 0.4571**.

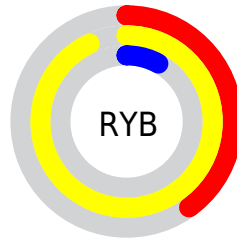
Distribution



Red (93%)

Green (69%)

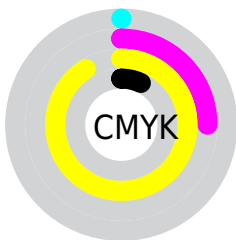
Blue (8%)



Red (40%)

Yellow (93%)

Blue (8%)

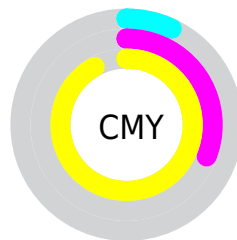


Cyan (0%)

Magenta (25%)

Yellow (91%)

Black (7%)



Cyan (7%)


Magenta (31%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3313, 0.4699, 0.4595 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 49.3313, 0.4699, 0.4595 by changing the saturation by 10% instead.


 49.3313, 0.4699,
0.4595

 49.3313, 0.4699,
0.4595


384.0451, 0.4008,
0.4064

 34.8824, 0.4823,
0.4675


 89.1833, 0.4482,
0.4440


 23.5723, 0.4953,
0.4747


 115.3552, 0.4390,
0.4370


 15.0166, 0.5109,
0.4824


 146.2035, 0.4307,
0.4306

 8.8311, 0.5195,
0.4805

 182.1126, 0.4234,
0.4248

 4.6312, 0.5270,
0.4730

 223.4669, 0.4168,
0.4195

 2.0325, 0.5390,
0.4610

 270.6508, 0.4109,

 0.6263, 0.5710,

0.4147

0.4290

324.0488, 0.4056,
0.4103

■ 0.0000, 0.0000,
0.0000

■ 49.3313, 0.4699,
0.4595

■ 49.3313, 0.4699,
0.4595

■ 47.0331, 0.4789,
0.4579

■ 52.0872, 0.4572,
0.4571

■ 55.0651, 0.4415,
0.4498

■ 58.2839, 0.4236,
0.4381

■ 61.7574, 0.4045,
0.4230

■ 65.4980, 0.3849,
0.4055

■ 69.5170, 0.3656,
0.3868

■ 73.8246, 0.3472,
0.3677

■ 78.4304, 0.3300,
0.3489

■ 83.3434, 0.3143,
0.3308

Harmonies

Analogous

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



49.3313, 0.5138, 0.3876



49.3313, 0.4699, 0.4595



49.3313, 0.3887, 0.5158

Triad

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



49.3313, 0.4699, 0.4595



49.3313, 0.1576, 0.2990



49.3313, 0.3032, 0.2077

Complementary

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



49.3313, 0.4699, 0.4595



11.9734, 0.1651, 0.1079

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.



49.3313, 0.2155, 0.1828



49.3313, 0.4699, 0.4595



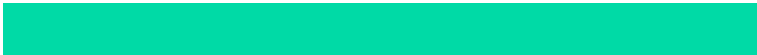
49.3313, 0.1439, 0.2202

Square

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



49.3313, 0.4699, 0.4595



49.3313, 0.2090, 0.4165



49.3313, 0.1631, 0.1849



49.3313, 0.4112, 0.2556

Rectangle

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



49.3313, 0.4699, 0.4595



49.3313, 0.3256, 0.5221



49.3313, 0.1631, 0.1849



49.3313, 0.2703, 0.1966

Sweetspot

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



49.3338, 0.4699, 0.4595



84.8593, 0.3583, 0.3794



18.9824, 0.5589, 0.2916



17.7936, 0.3647, 0.3859



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.



49.3338, 0.4699, 0.4595



55.9559, 0.4792, 0.4577



70.9138, 0.3827, 0.5298



16.8870, 0.3275, 0.3460



26.1557, 0.4777, 0.4589



2.2130, 0.4678, 0.4668

Inverse Universe

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



11.9734, 0.1651, 0.1079



11.6009, 0.1586, 0.0909



7.8157, 0.1684, 0.0741



15.2219, 0.2980, 0.3114



5.5942, 0.1595, 0.0942



0.5954, 0.1669, 0.1209

Previews

White Background



This preview shows how the Yxy color 49.3313, 0.4699, 0.4595 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 49.3313, 0.4699, 0.4595 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 49.3313, 0.4699, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 49.3313, 0.4699, 0.4595.



This preview shows how white text looks on a background with the Yxy color 49.3313, 0.4699, 0.4595.

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

49.3313, 0.4699, 0.4595

Protanopia

49.3125, 0.4368, 0.4838

Deuteranopia

49.3313, 0.4699, 0.4595



Tritanopia

49.3177, 0.3762, 0.3161

Trichromacy



Original Color

49.3313, 0.4699, 0.4595

Protanomaly

48.9930, 0.4488, 0.4748

Deuteranomaly

49.3313, 0.4699, 0.4595

Tritanomaly

48.4328, 0.4255, 0.3827

Monochromacy



Original Color

49.3313, 0.4699, 0.4595

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8061, 0.3807, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3313, 0.4699, 0.4595 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(236, 177, 21)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 21)  
}
```

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(236, 177, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 21) }
```

Border

The CSS property to change the border of an element to Yxy 49.3313, 0.4699, 0.4595 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(236, 177, 21) }
```

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

```
.border{ border-color:rgb(236, 177, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 177, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 21);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3313, 0.4699, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 21) }
```

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

```
.background{ background-color: rgb(236,  
177, 21) }
```

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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