

Converting Colors

$Y_{xy}(42.1770, 0.4781, 0.4450)$

Have a look what the booklet for
Yxy(42.1770, 0.4781, 0.4450)
contains.

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Color

Yxy(42.2632, 0.4779, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	E5A122
RGB	229, 161, 34
RGB Percent	90%, 63%, 13%
CMY	0.1019, 0.3686, 0.8668
CMYK	0.00, 0.30, 0.85, 0.10
HSL	39°, 79%, 52%
HSV	39°, 85%, 90%
XYZ	45.3471, 42.2632, 7.2779
YIQ	166.8540, 81.2950, -25.0810

Conversions

Conversions Part 2

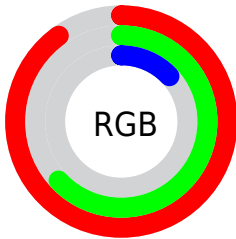
Format	Color
R_{YB}	138, 229, 34
Decimal	15048994
CIE _{Lab}	71.05, 15.47, 68.92
CIE _{LCh}	71, 70.638, 77.347
Yxy	42.2632, 0.4779, 0.4454
Android (android.graphics.Color)	4293239074 (0xFFE5A122)
YUV	166.8540, -65.4970, 54.5020
Hunter-Lab	65.0102, 10.7428, 38.8696

Details

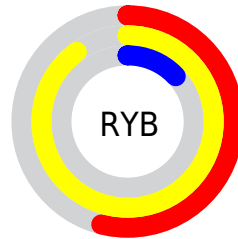
The Yxy color **42.2632, 0.4779, 0.4454** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **15.4924, 0.1759, 0.1394**, and the grayscale version is **38.8637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1444, 0.4255, 0.4470**, and **19.4767, 0.4958, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **39.4722, 0.4925, 0.4441**, and if you desaturate by 10%, it is **45.3245, 0.4601, 0.4414**.

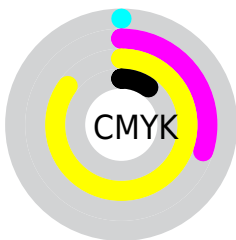
Distribution



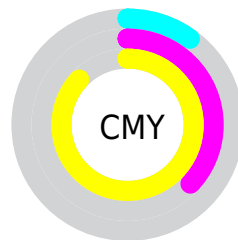
- Red (90%)
- Green (63%)
- Blue (13%)



- Red (54%)
- Yellow (90%)
- Blue (13%)



- Cyan (0%)
- Magenta (30%)
- Yellow (85%)
- Black (10%)




- Cyan (10%)
- Magenta (37%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2632, 0.4779, 0.4454 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 42.2632, 0.4779, 0.4454 by changing the saturation by 10% instead.


 42.2632, 0.4779,
0.4454

 42.2632, 0.4779,
0.4454

355.5728, 0.4014,
0.3977

 29.3074, 0.4928,
0.4523


 78.5978, 0.4528,
0.4316


 19.3135, 0.5091,
0.4581


 102.7455, 0.4425,
0.4253

 11.8970, 0.5303,
0.4646


 131.3925, 0.4335,
0.4195

 6.6736, 0.5423,
0.4577

 164.9234, 0.4255,
0.4142

 3.2588, 0.5564,
0.4436

 203.7224, 0.4184,
0.4095

 1.2683, 0.5801,
0.4199

 248.1741, 0.4121,

 0.1165, 0.8075,

0.4052

0.1925

298.6628, 0.4065,
0.4012

■ 0.0000, 0.0000,
0.0000

■ 42.2632, 0.4779,
0.4454

■ 42.2632, 0.4779,
0.4454

■ 39.4722, 0.4925,
0.4441

■ 45.3245, 0.4601,
0.4414

■ 38.2051, 0.4987,
0.4422

■ 48.6679, 0.4399,
0.4327

■ 52.3110, 0.4184,
0.4202

■ 56.2675, 0.3967,
0.4050

■ 60.5497, 0.3756,
0.3883

■ 65.1690, 0.3557,
0.3710

■ 70.1360, 0.3373,
0.3538

■ 75.4608, 0.3207,
0.3372

■ 81.1528, 0.3057,
0.3215

Harmonies

Analogous

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



42.2632, 0.5109, 0.3750



42.2632, 0.4779, 0.4454



42.2632, 0.4034, 0.5048

Triad

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



42.2632, 0.4779, 0.4454



42.2632, 0.1671, 0.3186



42.2632, 0.2862, 0.2041

Complementary

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



42.2632, 0.4779, 0.4454



15.4924, 0.1759, 0.1394

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.



42.2632, 0.2061, 0.1840



42.2632, 0.4779, 0.4454



42.2632, 0.1472, 0.2333

Square

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



42.2632, 0.4779, 0.4454



42.2632, 0.2245, 0.4343



42.2632, 0.1604, 0.1915



42.2632, 0.3904, 0.2477

Rectangle

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



42.2632, 0.4779, 0.4454



42.2632, 0.3427, 0.5188



42.2632, 0.1604, 0.1915



42.2632, 0.2558, 0.1946

Sweetspot

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



42.2653, 0.4779, 0.4454



82.5697, 0.3576, 0.3727



18.7644, 0.5156, 0.2741



17.2262, 0.3644, 0.3788



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.



42.2653, 0.4779, 0.4454



48.5677, 0.4993, 0.4418



68.4001, 0.3931, 0.5165



15.9270, 0.3276, 0.3443



22.0769, 0.4972, 0.4434



1.8037, 0.4829, 0.4548

Inverse Universe

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



15.4924, 0.1759, 0.1394



14.3486, 0.1635, 0.1085



7.8635, 0.1688, 0.0791



14.7049, 0.2981, 0.3133



6.7050, 0.1646, 0.1123



0.6646, 0.1727, 0.1416

Previews

White Background



This preview shows how the Yxy color 42.2632, 0.4779, 0.4454 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 42.2632, 0.4779, 0.4454 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 42.2632, 0.4779, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 42.2632, 0.4779, 0.4454.



This preview shows how white text looks on a background with the Yxy color 42.2632, 0.4779, 0.4454.

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

42.2632, 0.4779, 0.4454

Protanopia

42.5356, 0.4320, 0.4779

Deuteranopia

42.2248, 0.4667, 0.4559



Tritanopia

42.2188, 0.3896, 0.3168

Trichromacy



Original Color

42.2632, 0.4779, 0.4454

Protanomaly

42.2929, 0.4486, 0.4659

Deuteranomaly

42.3432, 0.4701, 0.4527

Tritanomaly

41.6726, 0.4322, 0.3733

Monochromacy



Original Color

42.2632, 0.4779, 0.4454

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1893, 0.3794, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2632, 0.4779, 0.4454 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(229, 161, 34)` looks like.

```
.text, #text, p{  
    color:rgb(229, 161, 34)  
}
```

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(229, 161, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 161, 34) }
```

Border

The CSS property to change the border of an element to Yxy 42.2632, 0.4779, 0.4454 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(229, 161, 34) }
```

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

```
.border{ border-color:rgb(229, 161, 34) }
```

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

Here you see how a box with a 4 pixel rgb(229, 161, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 161, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 161, 34);  
box-shadow:4px 4px 4px 4px rgb(229, 161,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2632, 0.4779, 0.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 161, 34) }
```

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

```
.background{ background-color: rgb(229,  
161, 34) }
```

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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