

Converting Colors

$Yxy(42.0667, 0.4801, 0.4555)$

Have a look what the booklet for
Yxy(42.0667, 0.4801, 0.4555)
contains.

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Color

Yxy(42.0226, 0.4802, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	E2A206
RGB	226, 162, 6
RGB Percent	89%, 64%, 2%
CMY	0.1137, 0.3647, 0.9756
CMYK	0.00, 0.28, 0.97, 0.11
HSL	43°, 95%, 46%
HSV	43°, 97%, 89%
XYZ	44.3208, 42.0226, 5.9531
YIQ	163.3520, 88.2200, -34.9480

Conversions

Conversions Part 2

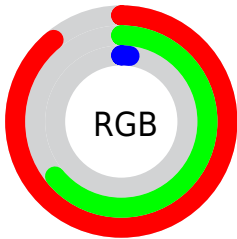
Format	Color
RYB	96, 226, 6
Decimal	14852614
CIELab	70.89, 13.22, 73.90
CIELCh	71, 75.068, 79.860
Yxy	42.0226, 0.4802, 0.4553
Android (android.graphics.Color)	4293042694 (0xFFE2A206)
YUV	163.3520, -77.5745, 54.9423
Hunter-Lab	64.8248, 8.5971, 39.9326

Details

The Yxy color **42.0226, 0.4802, 0.4553** 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 **9.9397, 0.1617, 0.1004**, and the grayscale version is **37.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4502, 0.4310, 0.4564**, and **19.3682, 0.4909, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **41.3784, 0.4831, 0.4546**, and if you desaturate by 10%, it is **44.4789, 0.4687, 0.4562**.

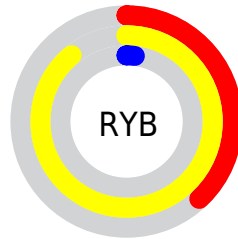
Distribution



Red (89%)

Green (64%)

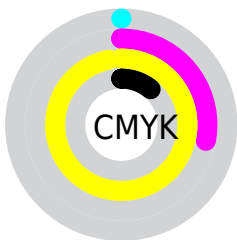
Blue (2%)



Red (38%)

Yellow (89%)

Blue (2%)

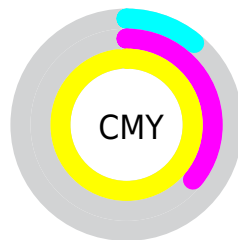


Cyan (0%)

Magenta (28%)

Yellow (97%)

Black (11%)



Cyan (11%)


Magenta (36%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0226, 0.4802, 0.4553 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 42.0226, 0.4802, 0.4553 by changing the saturation by 10% instead.


 42.0226, 0.4802,
0.4553


 42.0226, 0.4802,
0.4553


354.5766, 0.4044,
0.4041

 29.1190, 0.4941,
0.4623


 78.2338, 0.4561,
0.4408


 19.1709, 0.5086,
0.4678


 102.3102, 0.4459,
0.4341

 11.7938, 0.5266,
0.4734


 130.8797, 0.4369,
0.4279

 6.6034, 0.5348,
0.4652

 164.3266, 0.4288,
0.4222

 3.2154, 0.5470,
0.4530

 203.0354, 0.4217,
0.4170

 1.2452, 0.5679,
0.4321

 247.3903, 0.4153,

 0.0981, 0.8091,

0.4123

0.1909

297.7760, 0.4096,
0.4080

■ 0.0000, 0.0000,
0.0000

■ 42.0226, 0.4802,
0.4553

■ 42.0226, 0.4802,
0.4553

■ 41.3784, 0.4831,
0.4546

■ 44.4789, 0.4687,
0.4562

■ 47.1369, 0.4540,
0.4521

■ 50.0169, 0.4367,
0.4433

■ 53.1330, 0.4177,
0.4304

■ 56.4973, 0.3978,
0.4146

■ 60.1208, 0.3779,
0.3969

■ 64.0136, 0.3587,
0.3784

■ 68.1847, 0.3406,
0.3598

■ 72.6431, 0.3239,
0.3416

Harmonies

Analogous

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



42.0226, 0.5215, 0.3811



42.0226, 0.4802, 0.4553



42.0226, 0.3985, 0.5181

Triad

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



42.0226, 0.4802, 0.4553



42.0226, 0.1561, 0.3074



42.0226, 0.2928, 0.2008

Complementary

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



42.0226, 0.4802, 0.4553



9.9397, 0.1617, 0.1004

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.



42.0226, 0.2059, 0.1777



42.0226, 0.4802, 0.4553



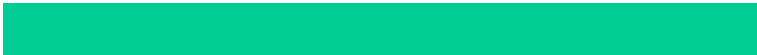
42.0226, 0.1392, 0.2218

Square

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



42.0226, 0.4802, 0.4553



42.0226, 0.2122, 0.4316



42.0226, 0.1558, 0.1825



42.0226, 0.4044, 0.2479

Rectangle

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



42.0226, 0.4802, 0.4553



42.0226, 0.3342, 0.5311



42.0226, 0.1558, 0.1825



42.0226, 0.2598, 0.1902

Sweetspot

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



42.0247, 0.4802, 0.4553



83.1392, 0.3623, 0.3820



16.7751, 0.5715, 0.2940



17.3218, 0.3706, 0.3900



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.



42.0247, 0.4802, 0.4553



54.2014, 0.4836, 0.4542



64.3634, 0.3844, 0.5317



15.3200, 0.3274, 0.3455



23.8180, 0.4819, 0.4556



1.8030, 0.4700, 0.4650

Inverse Universe

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



9.9397, 0.1617, 0.1004



12.1526, 0.1596, 0.0945



6.3089, 0.1612, 0.0673



13.8904, 0.2981, 0.3119



5.5213, 0.1606, 0.0983



0.5342, 0.1691, 0.1288

Previews

White Background



This preview shows how the Yxy color 42.0226, 0.4802, 0.4553 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 42.0226, 0.4802, 0.4553 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 42.0226, 0.4802, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 42.0226, 0.4802, 0.4553.



This preview shows how white text looks on a background with the Yxy color 42.0226, 0.4802, 0.4553.

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

42.0226, 0.4802, 0.4553

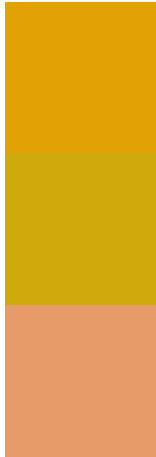
Protanopia

42.0424, 0.4387, 0.4855

Tritanopia

42.0655, 0.3853, 0.3166

Trichromacy



Original Color

42.0226, 0.4802, 0.4553

Protanomaly

42.0414, 0.4536, 0.4747

Tritanomaly

41.2856, 0.4381, 0.3857

Monochromacy



Original Color

42.0226, 0.4802, 0.4553

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.6741, 0.3881, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0226, 0.4802, 0.4553 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(226, 162, 6)` looks like.

```
.text, #text, p{  
    color:rgb(226, 162, 6)  
}
```

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(226, 162, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 162, 6) }
```

Border

The CSS property to change the border of an element to Yxy 42.0226, 0.4802, 0.4553 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(226, 162, 6) }
```

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

```
.border{ border-color:rgb(226, 162, 6) }
```

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

Here you see how a box with a 4 pixel rgb(226, 162, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 162, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 162, 6);  
box-shadow:4px 4px 4px 4px rgb(226, 162,  
6) }
```

Background

The CSS property to change the background color of an element to Yxy 42.0226, 0.4802, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 162, 6) }
```

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

```
.background{ background-color: rgb(226,  
162, 6) }
```

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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