

Converting Colors

$Y_{xy}(40.3752, 0.4802, 0.4485)$

Have a look what the booklet for
Yxy(40.3752, 0.4802, 0.4485)
contains.

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Color

Yxy(40.3712, 0.4796, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	E09E19
RGB	224, 158, 25
RGB Percent	88%, 62%, 10%
CMY	0.1216, 0.3804, 0.9018
CMYK	0.00, 0.29, 0.89, 0.12
HSL	40°, 80%, 49%
HSV	40°, 89%, 88%
XYZ	43.1418, 40.3712, 6.4407
YIQ	162.5720, 82.0290, -27.3710

Conversions

Conversions Part 2

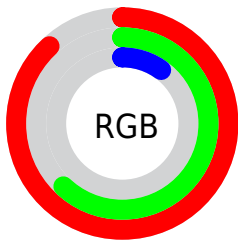
Format	Color
RYB	124, 224, 25
Decimal	14720537
CIELab	69.73, 14.72, 69.89
CIELCh	70, 71.422, 78.107
Yxy	40.3712, 0.4796, 0.4488
Android (android.graphics.Color)	4292910617 (0xFFE09E19)
YUV	162.5720, -67.8230, 53.8724
Hunter-Lab	63.5383, 10.0073, 38.4668

Details

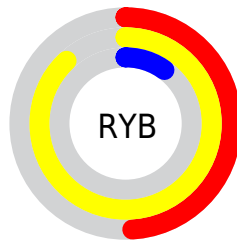
The Yxy color **40.3712, 0.4796, 0.4488** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **13.0767, 0.1712, 0.1272**, and the grayscale version is **36.7139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0189, 0.4313, 0.4479**, and **18.3019, 0.4951, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **37.8500, 0.4925, 0.4464**, and if you desaturate by 10%, it is **43.1236, 0.4636, 0.4463**.

Distribution



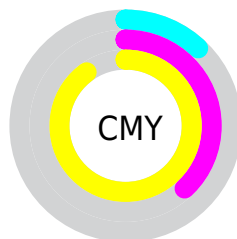
- Red (88%)
- Green (62%)
- Blue (10%)



- Red (49%)
- Yellow (88%)
- Blue (10%)



- Cyan (0%)
- Magenta (29%)
- Yellow (89%)
- Black (12%)





- Cyan (12%)
- Magenta (38%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3712, 0.4796, 0.4488 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 40.3712, 0.4796, 0.4488 by changing the saturation by 10% instead.


 40.3712, 0.4796,
0.4488


 40.3712, 0.4796,
0.4488


347.6856, 0.4023,
0.3996

 27.8281, 0.4944,
0.4557


 75.7284, 0.4544,
0.4346

 18.1961, 0.5104,
0.4613


 99.3113, 0.4440,
0.4281


 11.0909, 0.5319,
0.4681


 127.3430, 0.4348,
0.4222

 6.1280, 0.5412,
0.4588

 160.2077, 0.4267,
0.4167

 2.9231, 0.5555,
0.4445

 198.2899, 0.4196,
0.4118

 1.0917, 0.5801,
0.4199

 241.9741, 0.4132,

 0.0000, 1.0000,

0.4073

0.0000

291.6445, 0.4075,
0.4033

■ 0.0000, 0.0000,
0.0000

■ 40.3712, 0.4796,
0.4488

■ 40.3712, 0.4796,
0.4488

■ 37.8500, 0.4925,
0.4464

■ 43.1236, 0.4636,
0.4463

■ 37.5634, 0.4939,
0.4460

■ 46.1227, 0.4449,
0.4389

■ 49.3856, 0.4245,
0.4273

■ 52.9252, 0.4034,
0.4126

■ 56.7534, 0.3824,
0.3960

■ 60.8807, 0.3624,
0.3785

■ 65.3171, 0.3437,
0.3608

■ 70.0719, 0.3265,
0.3436

■ 75.1539, 0.3110,
0.3271

Harmonies

Analogous

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



40.3712, 0.5155, 0.3768



40.3712, 0.4796, 0.4488



40.3712, 0.4024, 0.5098

Triad

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



40.3712, 0.4796, 0.4488



40.3712, 0.1629, 0.3151



40.3712, 0.2879, 0.2024

Complementary

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



40.3712, 0.4796, 0.4488



13.0767, 0.1712, 0.1272

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.



40.3712, 0.2053, 0.1813



40.3712, 0.4796, 0.4488



40.3712, 0.1439, 0.2291

Square

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



40.3712, 0.4796, 0.4488



40.3712, 0.2202, 0.4345



40.3712, 0.1582, 0.1880



40.3712, 0.3950, 0.2472

Rectangle

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



40.3712, 0.4796, 0.4488



40.3712, 0.3402, 0.5240



40.3712, 0.1582, 0.1880



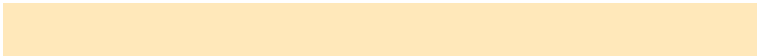
40.3712, 0.2565, 0.1925

Sweetspot

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



40.3732, 0.4796, 0.4488



82.6173, 0.3593, 0.3756



17.3052, 0.5332, 0.2797



17.2611, 0.3659, 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.



40.3732, 0.4796, 0.4488



50.1683, 0.4946, 0.4455



64.4331, 0.3908, 0.5216



15.2234, 0.3275, 0.3446



22.0852, 0.4925, 0.4472



1.6930, 0.4784, 0.4583

Inverse Universe

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



13.0767, 0.1712, 0.1272



13.6506, 0.1623, 0.1042



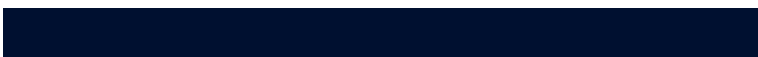
6.9846, 0.1663, 0.0746



13.9823, 0.2981, 0.3129



6.1950, 0.1634, 0.1081



0.5898, 0.1720, 0.1391

Previews

White Background



This preview shows how the Yxy color 40.3712, 0.4796, 0.4488 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 40.3712, 0.4796, 0.4488 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 40.3712, 0.4796, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 40.3712, 0.4796, 0.4488.



This preview shows how white text looks on a background with the Yxy color 40.3712, 0.4796, 0.4488.

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

40.3712, 0.4796, 0.4488

Protanopia

40.4210, 0.4349, 0.4813

Deuteranopia

40.4975, 0.4688, 0.4588



Tritanopia

40.3250, 0.3890, 0.3165

Trichromacy



Original Color

40.3712, 0.4796, 0.4488

Protanomaly

40.1936, 0.4518, 0.4687

Deuteranomaly

40.6117, 0.4724, 0.4555

Tritanomaly

39.7530, 0.4343, 0.3763

Monochromacy



Original Color

40.3712, 0.4796, 0.4488

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.9963, 0.3817, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3712, 0.4796, 0.4488 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(224, 158, 25)` looks like.

```
.text, #text, p{  
  color:rgb(224, 158, 25)  
}
```

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(224, 158, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 158, 25) }
```

Border

The CSS property to change the border of an element to Yxy 40.3712, 0.4796, 0.4488 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(224, 158, 25) }
```

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

```
.border{ border-color:rgb(224, 158, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 158, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 158, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 158, 25);  
box-shadow:4px 4px 4px 4px rgb(224, 158,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3712, 0.4796, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 158, 25) }
```

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

```
.background{ background-color: rgb(224,  
158, 25) }
```

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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