

Converting Colors

$Y_{xy}(39.7620, 0.4736, 0.4578)$

Have a look what the booklet for
Yxy(39.7620, 0.4736, 0.4578)
contains.

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Color

Yxy(39.9278, 0.4734, 0.4580)

Conversions

Conversions Part 1

Format	Color
Hex	D9A00F
RGB	217, 160, 15
RGB Percent	85%, 63%, 6%
CMY	0.1490, 0.3725, 0.9415
CMYK	0.00, 0.26, 0.93, 0.15
HSL	43°, 87%, 45%
HSV	43°, 93%, 85%
XYZ	41.2704, 39.9278, 5.9805
YIQ	160.5130, 80.5170, -33.0110

Conversions

Conversions Part 2

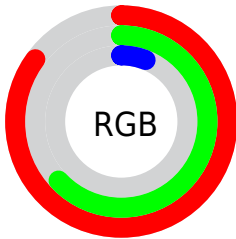
Format	Color
RYB	94, 217, 15
Decimal	14262287
CIELab	69.42, 10.44, 71.25
CIELCh	69, 72.008, 81.665
Yxy	39.9278, 0.4734, 0.4580
Android (android.graphics.Color)	4292452367 (0xFFD9A00F)
YUV	160.5130, -71.7379, 49.5391
Hunter-Lab	63.1884, 6.0041, 38.6204

Details

The Yxy color **39.9278, 0.4734, 0.4580** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **9.7334, 0.1643, 0.1064**, and the grayscale version is **35.7111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9623, 0.4318, 0.4521**, and **18.1054, 0.4849, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **38.4605, 0.4805, 0.4567**, and if you desaturate by 10%, it is **42.2011, 0.4609, 0.4566**.

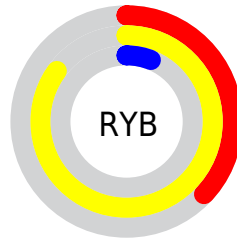
Distribution



Red (85%)

Green (63%)

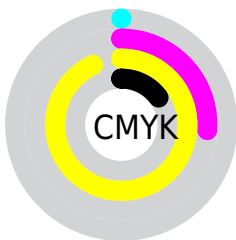
Blue (6%)



Red (37%)

Yellow (85%)

Blue (6%)

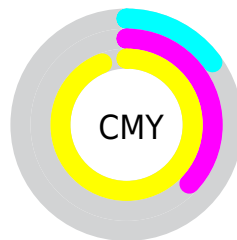


Cyan (0%)

Magenta (26%)

Yellow (93%)

Black (15%)



Cyan (15%)


Magenta (37%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9278, 0.4734, 0.4580 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 39.9278, 0.4734, 0.4580 by changing the saturation by 10% instead.


 39.9278, 0.4734,
0.4580


 39.9278, 0.4734,
0.4580


345.8192, 0.3999,
0.4038


 27.4823, 0.4870,
0.4661


 75.0536, 0.4498,
0.4420


 17.9357, 0.5013,
0.4730


 98.5026, 0.4399,
0.4349


 10.9039, 0.5194,
0.4806


 126.3882, 0.4311,
0.4283

 6.0022, 0.5262,
0.4738

 159.0948, 0.4234,
0.4224

 2.8464, 0.5368,
0.4632

 197.0068, 0.4165,
0.4170

 1.0521, 0.5553,
0.4447

 240.5086, 0.4103,

 0.0000, 1.0000,

0.4121

0.0000

289.9846, 0.4048,
0.4077

■ 0.0000, 0.0000,
0.0000

■ 39.9278, 0.4734,
0.4580

■ 39.9278, 0.4734,
0.4580

■ 38.4605, 0.4805,
0.4567

■ 42.2011, 0.4609,
0.4566

■ 44.6590, 0.4455,
0.4503

■ 47.3173, 0.4277,
0.4395

■ 50.1879, 0.4086,
0.4251

■ 53.2812, 0.3889,
0.4082

■ 56.6065, 0.3695,
0.3899

■ 60.1724, 0.3508,
0.3711

■ 63.9870, 0.3334,
0.3524

■ 68.0578, 0.3174,
0.3344

Harmonies

Analogous

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



39.9278, 0.5164, 0.3853



39.9278, 0.4734, 0.4580



39.9278, 0.3921, 0.5165

Triad

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



39.9278, 0.4734, 0.4580



39.9278, 0.1572, 0.3019



39.9278, 0.2996, 0.2054

Complementary

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



39.9278, 0.4734, 0.4580



9.7334, 0.1643, 0.1064

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.



39.9278, 0.2122, 0.1811



39.9278, 0.4734, 0.4580



39.9278, 0.1424, 0.2208

Square

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



39.9278, 0.4734, 0.4580



39.9278, 0.2102, 0.4216



39.9278, 0.1606, 0.1842



39.9278, 0.4088, 0.2530

Rectangle

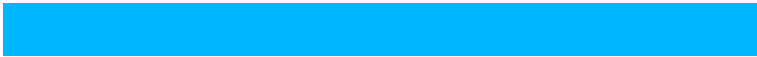
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.9278, 0.4734, 0.4580



39.9278, 0.3287, 0.5251



39.9278, 0.1606, 0.1842



39.9278, 0.2667, 0.1945

Sweetspot

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



39.9298, 0.4734, 0.4580



84.0433, 0.3603, 0.3808



15.5604, 0.5641, 0.2930



17.5173, 0.3685, 0.3889



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.



39.9298, 0.4734, 0.4580



55.1638, 0.4812, 0.4561



58.5646, 0.3825, 0.5311



14.6109, 0.3274, 0.3457



23.4710, 0.4794, 0.4575



1.6638, 0.4674, 0.4671

Inverse Universe

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



9.7334, 0.1643, 0.1064



11.8432, 0.1590, 0.0925



6.2699, 0.1667, 0.0722



13.2121, 0.2981, 0.3117



5.2208, 0.1601, 0.0964



0.4829, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 39.9278, 0.4734, 0.4580 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 39.9278, 0.4734, 0.4580 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 39.9278, 0.4734, 0.4580

Background



This preview shows how black text looks on a background with the Yxy color 39.9278, 0.4734, 0.4580.



This preview shows how white text looks on a background with the Yxy color 39.9278, 0.4734, 0.4580.

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

39.9278, 0.4734, 0.4580

Protanopia

40.0029, 0.4383, 0.4839

Deuteranopia

39.9659, 0.4708, 0.4607



Tritanopia

39.8803, 0.3792, 0.3161

Trichromacy



Original Color

39.9278, 0.4734, 0.4580

Protanomaly

39.7336, 0.4514, 0.4741

Deuteranomaly

40.1204, 0.4715, 0.4598

Tritanomaly

39.2162, 0.4290, 0.3835

Monochromacy



Original Color

39.9278, 0.4734, 0.4580

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3962, 0.3822, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9278, 0.4734, 0.4580 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(217, 160, 15)` looks like.

```
.text, #text, p{  
    color:rgb(217, 160, 15)  
}
```

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(217, 160, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 160, 15) }
```

Border

The CSS property to change the border of an element to Yxy 39.9278, 0.4734, 0.4580 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(217, 160, 15) }
```

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

```
.border{ border-color:rgb(217, 160, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 160, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 160, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 160, 15);  
box-shadow:4px 4px 4px 4px rgb(217, 160,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9278, 0.4734, 0.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 160, 15) }
```

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

```
.background{ background-color: rgb(217,  
160, 15) }
```

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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