

Converting Colors

$Y_{xy}(39.9281, 0.4537, 0.4727)$

Have a look what the booklet for
Yxy(39.9281, 0.4537, 0.4727)
contains.

Yxy(40.0094, 0.4535, 0.4729)	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(40.0094, 0.4535, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	CBA611
RGB	203, 166, 17
RGB Percent	80%, 65%, 7%
CMY	0.2039, 0.3490, 0.9337
CMYK	0.00, 0.18, 0.92, 0.20
HSL	48°, 85%, 43%
HSV	48°, 92%, 80%
XYZ	38.3681, 40.0094, 6.2269
YIQ	160.0770, 69.8810, -38.4950

Conversions

Conversions Part 2

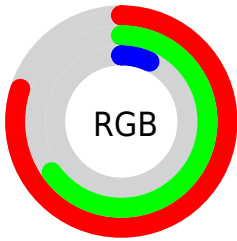
Format	Color
RYB	63, 203, 17
Decimal	13346321
CIELab	69.48, 1.10, 70.32
CIElCh	69, 70.326, 89.107
Yxy	40.0094, 0.4535, 0.4729
Android (android.graphics.Color)	4291536401 (0xFFCBA611)
YUV	160.0770, -70.5370, 37.6435
Hunter-Lab	63.2530, -2.4180, 38.4403

Details

The Yxy color **40.0094, 0.4535, 0.4729** 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 **7.0626, 0.1609, 0.0922**, and the grayscale version is **35.4962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5974, 0.4264, 0.4571**, and **18.1908, 0.4591, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **38.7637, 0.4597, 0.4732**, and if you desaturate by 10%, it is **41.5972, 0.4438, 0.4691**.

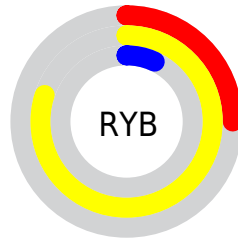
Distribution



Red (80%)

Green (65%)

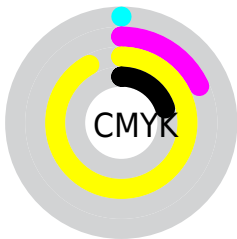
Blue (7%)



Red (25%)

Yellow (80%)

Blue (7%)

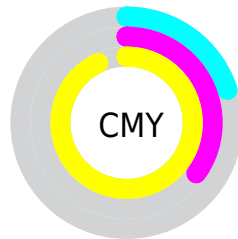


Cyan (0%)

Magenta (18%)

Yellow (92%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0094, 0.4535, 0.4729 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 40.0094, 0.4535, 0.4729 by changing the saturation by 10% instead.


 40.0094, 0.4535,
0.4729


 40.0094, 0.4535,
0.4729


346.1632, 0.3901,
0.4087

 27.5459, 0.4648,
0.4841


 75.1778, 0.4335,
0.4528


 17.9836, 0.4760,
0.4951


 98.6515, 0.4250,
0.4442

 10.9382, 0.4907,
0.5093


 126.5641, 0.4174,
0.4365

 6.0253, 0.4915,
0.5085

 159.2998, 0.4106,
0.4296

 2.8605, 0.4927,
0.5073

 197.2432, 0.4046,
0.4235

 1.0593, 0.4947,
0.5053

 240.7787, 0.3993,

 0.0000, 0.0000,

0.4180

0.0000

290.2905, 0.3945,
0.4131

■ 40.0094, 0.4535,
0.4729

■ 40.0094, 0.4535,
0.4729

■ 38.7637, 0.4597,
0.4732

■ 41.5972, 0.4438,
0.4691

■ 43.3005, 0.4312,
0.4607

■ 45.1320, 0.4163,
0.4480

■ 47.1005, 0.3997,
0.4318

■ 49.2140, 0.3822,
0.4132

■ 51.4796, 0.3645,
0.3931

■ 53.9038, 0.3472,
0.3725

■ 56.4926, 0.3307,
0.3520

■ 59.2517, 0.3152,
0.3322

Harmonies

Analogous

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



40.0094, 0.5069, 0.4028



40.0094, 0.4535, 0.4729



40.0094, 0.3685, 0.5194

Triad

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



40.0094, 0.4535, 0.4729



40.0094, 0.1533, 0.2788



40.0094, 0.3257, 0.2174

Complementary

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



40.0094, 0.4535, 0.4729



7.0626, 0.1609, 0.0922

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.



40.0094, 0.2324, 0.1873



40.0094, 0.4535, 0.4729



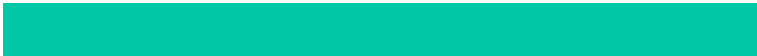
40.0094, 0.1470, 0.2107

Square

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



40.0094, 0.4535, 0.4729



40.0094, 0.1961, 0.3894



40.0094, 0.1728, 0.1834



40.0094, 0.4317, 0.2689

Rectangle

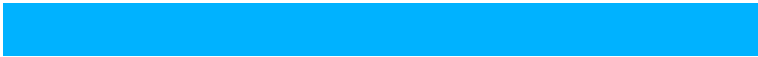
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.0094, 0.4535, 0.4729



40.0094, 0.3055, 0.5129



40.0094, 0.1728, 0.1834



40.0094, 0.2915, 0.2047

Sweetspot

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



40.0114, 0.4535, 0.4729



87.9039, 0.3570, 0.3842



13.3643, 0.5848, 0.3065



18.5193, 0.3630, 0.3914



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.



40.0114, 0.4535, 0.4729



64.5811, 0.4604, 0.4727



48.9781, 0.3696, 0.5399



12.7028, 0.3270, 0.3474



24.7962, 0.4591, 0.4737



1.3782, 0.4499, 0.4810

Inverse Universe

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



7.0626, 0.1609, 0.0922



9.5629, 0.1547, 0.0770



6.1173, 0.1785, 0.0797



11.1993, 0.2982, 0.3099



3.8298, 0.1557, 0.0806



0.3067, 0.1657, 0.1164

Previews

White Background



This preview shows how the Yxy color 40.0094, 0.4535, 0.4729 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 40.0094, 0.4535, 0.4729 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 40.0094, 0.4535, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 40.0094, 0.4535, 0.4729.



This preview shows how white text looks on a background with the Yxy color 40.0094, 0.4535, 0.4729.

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

40.0094, 0.4535, 0.4729

Protanopia

40.0029, 0.4383, 0.4839

Deuteranopia

39.9947, 0.4690, 0.4585



Tritanopia

39.8614, 0.3595, 0.3143

Trichromacy



Original Color

40.0094, 0.4535, 0.4729

Protanomaly

40.1554, 0.4434, 0.4804

Deuteranomaly

40.0938, 0.4636, 0.4637

Tritanomaly

39.1789, 0.4090, 0.3866

Monochromacy



Original Color

40.0094, 0.4535, 0.4729

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.1535, 0.3764, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0094, 0.4535, 0.4729 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(203, 166, 17)` looks like.

```
.text, #text, p{  
    color:rgb(203, 166, 17)  
}
```

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(203, 166, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 166, 17) }
```

Border

The CSS property to change the border of an element to Yxy 40.0094, 0.4535, 0.4729 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(203, 166, 17) }
```

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

```
.border{ border-color:rgb(203, 166, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 166, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 166, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 166, 17);  
box-shadow:4px 4px 4px 4px rgb(203, 166,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0094, 0.4535, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 166, 17) }
```

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

```
.background{ background-color: rgb(203,  
166, 17) }
```

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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