

Converting Colors

$Y_{xy}(40.7494, 0.4540, 0.4724)$

Have a look what the booklet for
Yxy(40.7494, 0.4540, 0.4724)
contains.

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Color

Yxy(40.6570, 0.4542, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	CDA711
RGB	205, 167, 17
RGB Percent	80%, 65%, 7%
CMY	0.1962, 0.3450, 0.9333
CMYK	0.00, 0.19, 0.92, 0.20
HSL	48°, 85%, 44%
HSV	48°, 92%, 80%
XYZ	39.0906, 40.6570, 6.3172
YIQ	161.2620, 70.7980, -38.5940

Conversions

Conversions Part 2

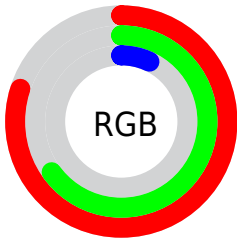
Format	Color
RYB	65, 205, 17
Decimal	13477649
CIELab	69.93, 1.42, 70.74
CIElCh	70, 70.753, 88.847
Yxy	40.6570, 0.4542, 0.4724
Android (android.graphics.Color)	4291667729 (0xFFCDA711)
YUV	161.2620, -71.1212, 38.3582
Hunter-Lab	63.7628, -2.1533, 38.7600

Details

The Yxy color **40.6570, 0.4542, 0.4724** 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 **7.2534, 0.1610, 0.0926**, and the grayscale version is **36.0819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1271, 0.4257, 0.4578**, and **18.6018, 0.4601, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **39.3773, 0.4605, 0.4726**, and if you desaturate by 10%, it is **42.2962, 0.4444, 0.4687**.

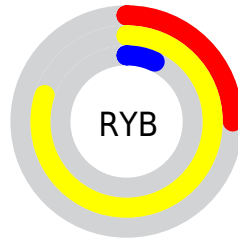
Distribution



Red (80%)

Green (65%)

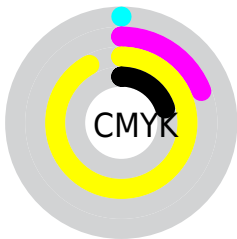
Blue (7%)



Red (25%)

Yellow (80%)

Blue (7%)

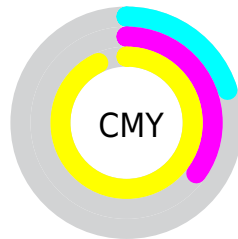


Cyan (0%)

Magenta (19%)

Yellow (92%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6570, 0.4542, 0.4724 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 40.6570, 0.4542, 0.4724 by changing the saturation by 10% instead.


 40.6570, 0.4542,
0.4724


 40.6570, 0.4542,
0.4724


348.8850, 0.3907,
0.4087

 28.0512, 0.4655,
0.4834


 76.1629, 0.4341,
0.4525


 18.3642, 0.4768,
0.4942


 99.8318, 0.4256,
0.4440


 11.2118, 0.4917,
0.5083


 127.9572, 0.4180,
0.4364

 6.2095, 0.4927,
0.5073

 160.9234, 0.4113,
0.4296

 2.9729, 0.4942,
0.5058

 199.1149, 0.4052,
0.4235

 1.1176, 0.4968,
0.5032

 242.9161, 0.3999,

 0.0000, 1.0000,

0.4180

0.0000

292.7113, 0.3950,
0.4131

■ 0.0000, 0.0000,
0.0000

■ 40.6570, 0.4542,
0.4724

■ 40.6570, 0.4542,
0.4724

■ 39.3773, 0.4605,
0.4726

■ 42.2962, 0.4444,
0.4687

■ 44.0548, 0.4317,
0.4603

■ 45.9459, 0.4167,
0.4477

■ 47.9786, 0.4000,
0.4316

■ 50.1610, 0.3825,
0.4130

■ 52.5004, 0.3647,
0.3930

■ 55.0036, 0.3473,
0.3724

■ 57.6767, 0.3307,
0.3520

■ 60.5255, 0.3152,
0.3323

Harmonies

Analogous

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



40.6570, 0.5072, 0.4022



40.6570, 0.4542, 0.4724



40.6570, 0.3693, 0.5193

Triad

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



40.6570, 0.4542, 0.4724



40.6570, 0.1534, 0.2796



40.6570, 0.3248, 0.2170

Complementary

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



40.6570, 0.4542, 0.4724



7.2534, 0.1610, 0.0926

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.



40.6570, 0.2317, 0.1871



40.6570, 0.4542, 0.4724



40.6570, 0.1468, 0.2110

Square

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



40.6570, 0.4542, 0.4724



40.6570, 0.1965, 0.3905



40.6570, 0.1724, 0.1835



40.6570, 0.4309, 0.2684

Rectangle

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



40.6570, 0.4542, 0.4724



40.6570, 0.3063, 0.5134



40.6570, 0.1724, 0.1835



40.6570, 0.2906, 0.2043

Sweetspot

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



40.6590, 0.4542, 0.4724



87.3683, 0.3588, 0.3861



13.6785, 0.5801, 0.3037



18.3265, 0.3665, 0.3951



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.



40.6590, 0.4542, 0.4724



64.2146, 0.4611, 0.4721



50.3363, 0.3721, 0.5380



12.6969, 0.3270, 0.3474



24.6595, 0.4598, 0.4731



1.3723, 0.4504, 0.4805

Inverse Universe

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



7.2534, 0.1610, 0.0926



9.6304, 0.1549, 0.0775



6.1189, 0.1763, 0.0784



11.2048, 0.2982, 0.3099



3.8578, 0.1559, 0.0811



0.3092, 0.1659, 0.1172

Previews

White Background



This preview shows how the Yxy color 40.6570, 0.4542, 0.4724 looks on a white background.

Color Contrast Check

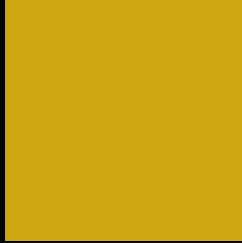
Large Text (above 18pt) WCAG AA × Fail

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 40.6570, 0.4542, 0.4724 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 40.6570, 0.4542, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 40.6570, 0.4542, 0.4724.



This preview shows how white text looks on a background with the Yxy color 40.6570, 0.4542, 0.4724.

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

40.6570, 0.4542, 0.4724

Protanopia

40.8895, 0.4372, 0.4849

Deuteranopia

40.4975, 0.4688, 0.4588



Tritanopia

40.5289, 0.3602, 0.3144

Trichromacy



Original Color

40.6570, 0.4542, 0.4724

Protanomaly

40.6634, 0.4433, 0.4806

Deuteranomaly

40.5985, 0.4634, 0.4639

Tritanomaly

39.8150, 0.4104, 0.3873

Monochromacy



Original Color

40.6570, 0.4542, 0.4724

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.6456, 0.3760, 0.4054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6570, 0.4542, 0.4724 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(205, 167, 17)` looks like.

```
.text, #text, p{  
    color:rgb(205, 167, 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(205, 167, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 167, 17) }
```

Border

The CSS property to change the border of an element to Yxy 40.6570, 0.4542, 0.4724 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(205, 167, 17) }
```

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

```
.border{ border-color:rgb(205, 167, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 167, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 167, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 167, 17);  
box-shadow:4px 4px 4px 4px rgb(205, 167,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6570, 0.4542, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 167, 17) }
```

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

```
.background{ background-color: rgb(205,  
167, 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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