

Converting Colors

$Yxy(42.9111, 0.4461, 0.4677)$

Have a look what the booklet for
Yxy(42.9111, 0.4461, 0.4677)
contains.

Yxy(42.9040, 0.4456, 0.4684)	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(42.9040, 0.4456, 0.4684)

Conversions

Conversions Part 1

Format	Color
Hex	CFAC25
RGB	207, 172, 37
RGB Percent	81%, 67%, 15%
CMY	0.1883, 0.3254, 0.8550
CMYK	0.00, 0.17, 0.82, 0.19
HSL	48°, 70%, 48%
HSV	48°, 82%, 81%
XYZ	40.8156, 42.9040, 7.8773
YIQ	167.0750, 64.1950, -34.5650

Conversions

Conversions Part 2

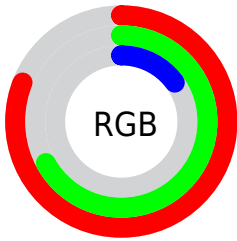
Format	Color
RYB	81, 207, 37
Decimal	13610021
CIELab	71.49, 0.11, 67.51
CIELCh	71, 67.508, 89.904
Yxy	42.9040, 0.4456, 0.4684
Android (android.graphics.Color)	4291800101 (0xFFCFAC25)
YUV	167.0750, -64.1270, 35.0142
Hunter-Lab	65.5011, -3.3987, 38.7204

Details

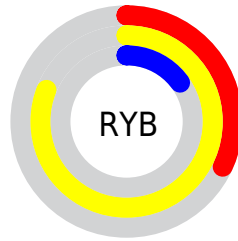
The Yxy color **42.9040, 0.4456, 0.4684** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **9.5248, 0.1707, 0.1134**, and the grayscale version is **38.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0244, 0.4169, 0.4537**, and **19.7288, 0.4565, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **41.2158, 0.4554, 0.4718**, and if you desaturate by 10%, it is **44.7219, 0.4329, 0.4603**.

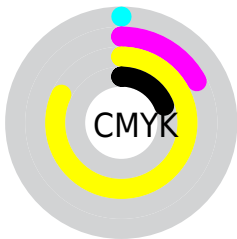
Distribution



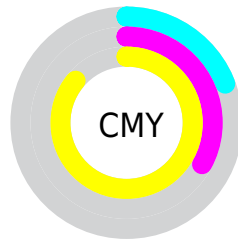
- Red (81%)
- Green (67%)
- Blue (15%)



- Red (32%)
- Yellow (81%)
- Blue (15%)



- Cyan (0%)
- Magenta (17%)
- Yellow (82%)
- Black (19%)




- Cyan (19%)
- Magenta (33%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9040, 0.4456, 0.4684 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 42.9040, 0.4456, 0.4684 by changing the saturation by 10% instead.

 42.9040, 0.4456,
0.4684

 42.9040, 0.4456,
0.4684


358.2168, 0.3855,
0.4054

 29.8098, 0.4567,
0.4800


 79.5660, 0.4264,
0.4482

 19.6943, 0.4683,
0.4921


 103.9025, 0.4183,
0.4398

 12.1730, 0.4819,
0.5064


 132.7553, 0.4111,
0.4323

 6.8616, 0.4877,
0.5123

 166.5088, 0.4048,
0.4256

 3.3757, 0.4878,
0.5122

 205.5473, 0.3992,
0.4197

 1.3309, 0.4880,
0.5120

 250.2552, 0.3941,

 0.1649, 0.4917,

0.4144

0.5083

301.0169, 0.3896,
0.4097

■ 0.0000, 0.0000,
0.0000

■ 42.9040, 0.4456,
0.4684

■ 42.9040, 0.4456,
0.4684

■ 41.2158, 0.4554,
0.4718

■ 44.7219, 0.4329,
0.4603

■ 39.9598, 0.4614,
0.4718

■ 46.6747, 0.4179,
0.4479

■ 48.7738, 0.4011,
0.4320

■ 51.0278, 0.3834,
0.4136

■ 53.4441, 0.3656,
0.3936

■ 56.0297, 0.3481,
0.3732

■ 58.7909, 0.3315,
0.3528

■ 61.7337, 0.3159,
0.3331

■ 64.8636, 0.3015,
0.3144

Harmonies

Analogous

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



42.9040, 0.4959, 0.4031



42.9040, 0.4456, 0.4684



42.9040, 0.3649, 0.5082

Triad

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



42.9040, 0.4456, 0.4684



42.9040, 0.1607, 0.2805



42.9040, 0.3281, 0.2241

Complementary

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



42.9040, 0.4456, 0.4684



9.5248, 0.1707, 0.1134

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.



42.9040, 0.2390, 0.1946



42.9040, 0.4456, 0.4684



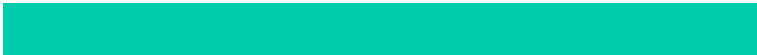
42.9040, 0.1550, 0.2163

Square

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



42.9040, 0.4456, 0.4684



42.9040, 0.2013, 0.3828



42.9040, 0.1808, 0.1904



42.9040, 0.4269, 0.2740

Rectangle

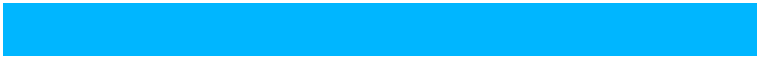
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.9040, 0.4456, 0.4684



42.9040, 0.3050, 0.4991



42.9040, 0.1808, 0.1904



42.9040, 0.2956, 0.2117

Sweetspot

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



42.9061, 0.4456, 0.4684



88.4686, 0.3536, 0.3797



15.0766, 0.5459, 0.2980



18.6204, 0.3598, 0.3869



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.



42.9061, 0.4456, 0.4684



64.0084, 0.4613, 0.4715



52.1049, 0.3733, 0.5270



13.3673, 0.3271, 0.3473



25.3188, 0.4607, 0.4724



1.5224, 0.4517, 0.4795

Inverse Universe

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



9.5248, 0.1707, 0.1134



9.9201, 0.1556, 0.0795



7.7635, 0.1886, 0.0934



11.8061, 0.2982, 0.3100



4.0183, 0.1560, 0.0816



0.3409, 0.1655, 0.1156

Previews

White Background



This preview shows how the Yxy color 42.9040, 0.4456, 0.4684 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 42.9040, 0.4456, 0.4684 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 42.9040, 0.4456, 0.4684

Background



This preview shows how black text looks on a background with the Yxy color 42.9040, 0.4456, 0.4684.



This preview shows how white text looks on a background with the Yxy color 42.9040, 0.4456, 0.4684.

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

42.9040, 0.4456, 0.4684

Protanopia

43.0609, 0.4320, 0.4782

Deuteranopia

42.7978, 0.4634, 0.4524



Tritanopia

42.7577, 0.3550, 0.3134

Trichromacy



Original Color

42.9040, 0.4456, 0.4684

Protanomaly

43.2174, 0.4367, 0.4746

Deuteranomaly

42.7507, 0.4572, 0.4579

Tritanomaly

42.1523, 0.3982, 0.3785

Monochromacy



Original Color

42.9040, 0.4456, 0.4684

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6771, 0.3686, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9040, 0.4456, 0.4684 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(207, 172, 37)` looks like.

```
.text, #text, p{  
    color:rgb(207, 172, 37)  
}
```

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(207, 172, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 172, 37) }
```

Border

The CSS property to change the border of an element to Yxy 42.9040, 0.4456, 0.4684 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(207, 172, 37) }
```

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

```
.border{ border-color:rgb(207, 172, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 172, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 172, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 172, 37);  
box-shadow:4px 4px 4px 4px rgb(207, 172,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9040, 0.4456, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 172, 37) }
```

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

```
.background{ background-color: rgb(207,  
172, 37) }
```

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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