

Converting Colors

$Y_{xy}(40.8327, 0.4715, 0.4513)$

Have a look what the booklet for
Yxy(40.8327, 0.4715, 0.4513)
contains.

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Color

Yxy(40.9662, 0.4716, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	DDA120
RGB	221, 161, 32
RGB Percent	87%, 63%, 13%
CMY	0.1333, 0.3686, 0.8743
CMYK	0.00, 0.27, 0.85, 0.13
HSL	41°, 75%, 50%
HSV	41°, 85%, 87%
XYZ	42.8279, 40.9662, 7.0199
YIQ	164.2340, 77.1690, -27.3990

Conversions

Conversions Part 2

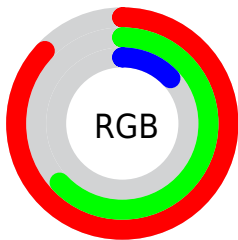
Format	Color
RYB	120, 221, 32
Decimal	14524704
CIELab	70.15, 11.98, 68.34
CIELCh	70, 69.384, 80.059
Yxy	40.9662, 0.4716, 0.4511
Android (android.graphics.Color)	4292714784 (0xFFDDA120)
YUV	164.2340, -65.1914, 49.7838
Hunter-Lab	64.0048, 7.4321, 38.3006

Details

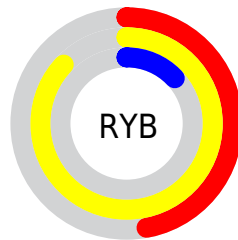
The Yxy color **40.9662, 0.4716, 0.4511** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **13.1950, 0.1736, 0.1310**, and the grayscale version is **37.5352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1271, 0.4260, 0.4477**, and **18.7289, 0.4879, 0.4508** is the 20% darker color. If you saturate the color by 10%, you get **38.5006, 0.4848, 0.4505**, and if you desaturate by 10%, it is **43.6541, 0.4553, 0.4466**.

Distribution



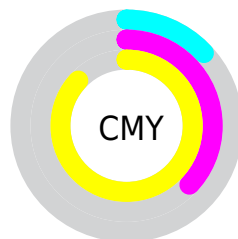
- Red (87%)
- Green (63%)
- Blue (13%)



- Red (47%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (27%)
- Yellow (85%)
- Black (13%)




- Cyan (13%)
- Magenta (37%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9662, 0.4716, 0.4511 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 40.9662, 0.4716, 0.4511 by changing the saturation by 10% instead.


 40.9662, 0.4716,
0.4511


 40.9662, 0.4716,
0.4511


350.1793, 0.3980,
0.3995

 28.2927, 0.4858,
0.4591


 76.6326, 0.4475,
0.4357


 18.5464, 0.5012,
0.4661

 100.3942, 0.4376,
0.4289

 11.3430, 0.5222,
0.4753


 128.6207, 0.4289,
0.4227

 6.2980, 0.5311,
0.4689

 161.6964, 0.4212,
0.4171

 3.0271, 0.5427,
0.4573

 200.0057, 0.4144,
0.4120

 1.1459, 0.5627,
0.4373

 243.9331, 0.4083,

 0.0169, 0.9482,

0.4074

0.0518

293.8628, 0.4029,
0.4033

■ 0.0000, 0.0000,
0.0000

■ 40.9662, 0.4716,
0.4511

■ 40.9662, 0.4716,
0.4511

■ 38.5006, 0.4848,
0.4505

■ 43.6541, 0.4553,
0.4466

■ 37.4492, 0.4900,
0.4491

■ 46.5743, 0.4365,
0.4374

■ 49.7422, 0.4162,
0.4244

■ 53.1696, 0.3955,
0.4087

■ 56.8672, 0.3752,
0.3914

■ 60.8448, 0.3558,
0.3734

■ 65.1116, 0.3377,
0.3555

■ 69.6760, 0.3211,
0.3382

■ 74.5463, 0.3062,
0.3217

Harmonies

Analogous

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



40.9662, 0.5090, 0.3812



40.9662, 0.4716, 0.4511



40.9662, 0.3952, 0.5072

Triad

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



40.9662, 0.4716, 0.4511



40.9662, 0.1648, 0.3093



40.9662, 0.2952, 0.2078

Complementary

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



40.9662, 0.4716, 0.4511



13.1950, 0.1736, 0.1310

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.



40.9662, 0.2125, 0.1856



40.9662, 0.4716, 0.4511



40.9662, 0.1481, 0.2285

Square

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



40.9662, 0.4716, 0.4511



40.9662, 0.2186, 0.4233



40.9662, 0.1641, 0.1905



40.9662, 0.3992, 0.2530

Rectangle

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



40.9662, 0.4716, 0.4511



40.9662, 0.3343, 0.5165



40.9662, 0.1641, 0.1905



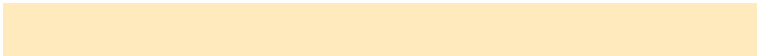
40.9662, 0.2641, 0.1976

Sweetspot

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



40.9683, 0.4716, 0.4511



83.7344, 0.3571, 0.3747



17.2370, 0.5219, 0.2776



17.5040, 0.3638, 0.3810



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.



40.9683, 0.4716, 0.4511



51.5369, 0.4907, 0.4486



62.7094, 0.3906, 0.5186



14.5301, 0.3275, 0.3449



21.9643, 0.4886, 0.4502



1.5754, 0.4746, 0.4614

Inverse Universe

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



13.1950, 0.1736, 0.1310



13.1030, 0.1613, 0.1007



7.3319, 0.1702, 0.0797



13.2888, 0.2981, 0.3126



5.7718, 0.1624, 0.1047



0.5263, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 40.9662, 0.4716, 0.4511 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 40.9662, 0.4716, 0.4511 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 40.9662, 0.4716, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 40.9662, 0.4716, 0.4511.



This preview shows how white text looks on a background with the Yxy color 40.9662, 0.4716, 0.4511.

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

40.9662, 0.4716, 0.4511

Protanopia

40.9639, 0.4330, 0.4788

Deuteranopia

41.0450, 0.4662, 0.4560



Tritanopia

40.8799, 0.3818, 0.3164

Trichromacy



Original Color

40.9662, 0.4716, 0.4511

Protanomaly

40.8173, 0.4470, 0.4687

Deuteranomaly

40.8450, 0.4681, 0.4544

Tritanomaly

40.3337, 0.4255, 0.3760

Monochromacy



Original Color

40.9662, 0.4716, 0.4511

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7696, 0.3780, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9662, 0.4716, 0.4511 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(221, 161, 32)` looks like.

```
.text, #text, p{  
    color:rgb(221, 161, 32)  
}
```

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(221, 161, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 161, 32) }
```

Border

The CSS property to change the border of an element to Yxy 40.9662, 0.4716, 0.4511 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(221, 161, 32) }
```

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

```
.border{ border-color:rgb(221, 161, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 161, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 161, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 161, 32);  
box-shadow:4px 4px 4px 4px rgb(221, 161,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9662, 0.4716, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 161, 32) }
```

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

```
.background{ background-color: rgb(221,  
161, 32) }
```

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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