

Converting Colors

$Y_{xy}(41.6218, 0.4425, 0.4155)$

Have a look what the booklet for
Yxy(41.6218, 0.4425, 0.4155)
contains.

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Color

Yxy(41.5178, 0.4420, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	DDA155
RGB	221, 161, 85
RGB Percent	87%, 63%, 33%
CMY	0.1334, 0.3686, 0.6666
CMYK	0.00, 0.27, 0.62, 0.13
HSL	34°, 67%, 60%
HSV	34°, 62%, 87%
XYZ	44.1977, 41.5178, 14.2792
YIQ	170.2760, 60.1560, -10.9160

Conversions

Conversions Part 2

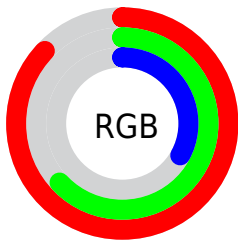
Format	Color
RYB	192, 221, 85
Decimal	14524757
CIELab	70.54, 14.36, 47.59
CIELCh	71, 49.710, 73.206
Yxy	41.5178, 0.4420, 0.4152
Android (android.graphics.Color)	4292714837 (0xFFDDA155)
YUV	170.2760, -42.0411, 44.4849
Hunter-Lab	64.4343, 9.6791, 31.9648

Details

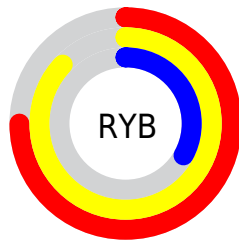
The Yxy color **41.5178, 0.4420, 0.4152** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.3897, 0.2127, 0.2164**, and the grayscale version is **40.5357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1779, 0.3986, 0.4092**, and **18.9546, 0.4735, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **37.9472, 0.4668, 0.4236**, and if you desaturate by 10%, it is **45.4675, 0.4170, 0.4035**.

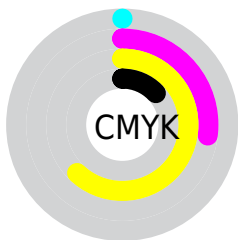
Distribution



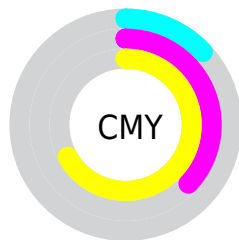
- Red (87%)
- Green (63%)
- Blue (33%)



- Red (75%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (27%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5178, 0.4420, 0.4152 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 41.5178, 0.4420, 0.4152 by changing the saturation by 10% instead.


 41.5178, 0.4420,
0.4152

 41.5178, 0.4420,
0.4152

352.4801, 0.3781,
0.3761

 28.7239, 0.4568,
0.4229


 77.4693, 0.4195,
0.4024


 18.8721, 0.4746,
0.4313


 101.3957, 0.4107,
0.3971

 11.5779, 0.4962,
0.4396


 129.8017, 0.4033,
0.3925

 6.4569, 0.5258,
0.4496

 163.0718, 0.3968,
0.3884

 3.1249, 0.5526,
0.4474

 201.5903, 0.3912,
0.3848

 1.1973, 0.5754,
0.4246

245.7416, 0.3863,

 0.0595, 0.8726,

0.3815

0.1274

295.9100, 0.3819,
0.3787

■ 0.0000, 0.0000,
0.0000

■ 41.5178, 0.4420,
0.4152

■ 41.5178, 0.4420,
0.4152

■ 37.9472, 0.4668,
0.4236

■ 45.4675, 0.4170,
0.4035

■ 34.7331, 0.4901,
0.4276

■ 49.8053, 0.3928,
0.3896

■ 31.8585, 0.5104,
0.4262

■ 54.5472, 0.3703,
0.3748

■ 29.6668, 0.5250,
0.4214

■ 59.7060, 0.3498,
0.3598

■ 65.2941, 0.3314,
0.3451

■ 71.3232, 0.3150,
0.3311

■ 77.8042, 0.3007,
0.3179

■ 84.3032, 0.2918,
0.3125

■ 90.1624, 0.2921,
0.3226

Harmonies

Analogous

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



41.5178, 0.4555, 0.3628



41.5178, 0.4420, 0.4152



41.5178, 0.3934, 0.4541

Triad

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



41.5178, 0.4420, 0.4152



41.5178, 0.2100, 0.3352



41.5178, 0.2855, 0.2312

Complementary

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



41.5178, 0.4420, 0.4152



27.3897, 0.2127, 0.2164

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.



41.5178, 0.2276, 0.2189



41.5178, 0.4420, 0.4152



41.5178, 0.1882, 0.2691

Square

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



41.5178, 0.4420, 0.4152



41.5178, 0.2592, 0.4107



41.5178, 0.1945, 0.2302



41.5178, 0.3589, 0.2634

Rectangle

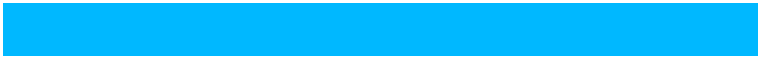
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5178, 0.4420, 0.4152



41.5178, 0.3496, 0.4618



41.5178, 0.1945, 0.2302



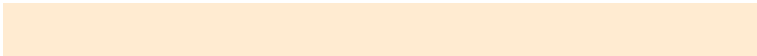
41.5178, 0.2638, 0.2247

Sweetspot

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



41.5198, 0.4420, 0.4152



85.1478, 0.3433, 0.3547



23.9471, 0.4155, 0.2600



17.7514, 0.3489, 0.3591



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.



41.5198, 0.4420, 0.4152



51.0826, 0.4742, 0.4254



66.6775, 0.3934, 0.4746



14.2529, 0.3278, 0.3421



17.4678, 0.5229, 0.4230



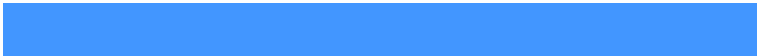
1.3023, 0.5015, 0.4400

Inverse Universe

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



27.3897, 0.2127, 0.2164



30.0449, 0.1947, 0.1878



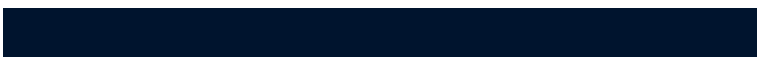
13.9821, 0.1977, 0.1336



13.5574, 0.2982, 0.3156



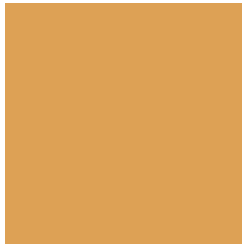
8.2654, 0.1721, 0.1395



0.7053, 0.1809, 0.1711

Previews

White Background



This preview shows how the Yxy color 41.5178, 0.4420, 0.4152 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 41.5178, 0.4420, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

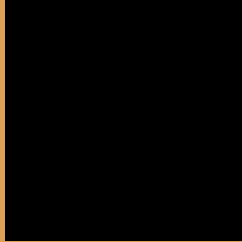
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5178, 0.4420, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 41.5178, 0.4420, 0.4152.



This preview shows how white text looks on a background with the Yxy color 41.5178, 0.4420, 0.4152.

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

41.5178, 0.4420, 0.4152

Protanopia

41.6848, 0.4008, 0.4369

Deuteranopia

41.6965, 0.4319, 0.4238



Tritanopia

41.4677, 0.3770, 0.3151

Trichromacy



Original Color

41.5178, 0.4420, 0.4152

Protanomaly

41.6371, 0.4152, 0.4289

Deuteranomaly

41.7899, 0.4356, 0.4214

Tritanomaly

41.1995, 0.4039, 0.3529

Monochromacy



Original Color

41.5178, 0.4420, 0.4152

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3203, 0.3591, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5178, 0.4420, 0.4152 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 161, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 161, 85) }
```

Border

The CSS property to change the border of an element to Yxy 41.5178, 0.4420, 0.4152 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, 85) }
```

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

```
.border{ border-color:rgb(221, 161, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 161, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 161, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 161,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5178, 0.4420, 0.4152 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, 85) }
```

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

```
.background{ background-color: rgb(221,  
161, 85) }
```

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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