

Converting Colors

$Y_{xy}(40.0145, 0.4660, 0.4359)$

Have a look what the booklet for
Yxy(40.0145, 0.4660, 0.4359)
contains.

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Color

Yxy(40.0922, 0.4654, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	DD9E36
RGB	221, 158, 54
RGB Percent	87%, 62%, 21%
CMY	0.1332, 0.3804, 0.7882
CMYK	0.00, 0.29, 0.76, 0.13
HSL	37°, 71%, 54%
HSV	37°, 76%, 87%
XYZ	42.7173, 40.0922, 8.9767
YIQ	164.9810, 70.9320, -18.9880

Conversions

Conversions Part 2

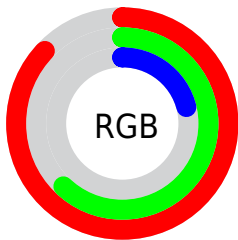
Format	Color
RYB	155, 221, 54
Decimal	14523958
CIELab	69.54, 14.31, 60.43
CIELCh	70, 62.099, 76.679
Yxy	40.0922, 0.4654, 0.4368
Android (android.graphics.Color)	4292714038 (0xFFDD9E36)
YUV	164.9810, -54.7136, 49.1287
Hunter-Lab	63.3184, 9.6165, 35.9173

Details

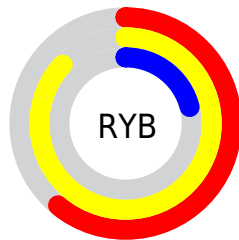
The Yxy color **40.0922, 0.4654, 0.4368** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.7358, 0.1893, 0.1694**, and the grayscale version is **37.8608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4085, 0.4199, 0.4322**, and **18.0925, 0.4929, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **37.1821, 0.4845, 0.4400**, and if you desaturate by 10%, it is **43.2938, 0.4440, 0.4288**.

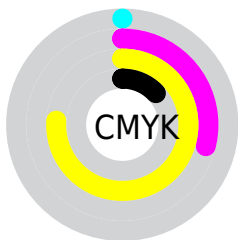
Distribution



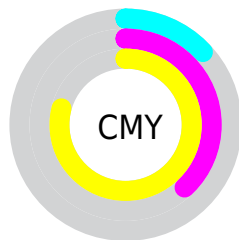
- Red (87%)
- Green (62%)
- Blue (21%)



- Red (61%)
- Yellow (87%)
- Blue (21%)



- Cyan (0%)
- Magenta (29%)
- Yellow (76%)
- Black (13%)




- Cyan (13%)
- Magenta (38%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0922, 0.4654, 0.4368 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 40.0922, 0.4654, 0.4368 by changing the saturation by 10% instead.

 40.0922, 0.4654,
0.4368


 40.0922, 0.4654,
0.4368


346.5120, 0.3922,
0.3901

 27.6104, 0.4808,
0.4446


 75.3039, 0.4406,
0.4224

 18.0322, 0.4984,
0.4521


 98.8026, 0.4306,
0.4162

 10.9731, 0.5188,
0.4586


 126.7424, 0.4220,
0.4106

 6.0488, 0.5400,
0.4600

 159.5078, 0.4145,
0.4056

 2.8748, 0.5541,
0.4459

 197.4830, 0.4079,
0.4011

 1.0667, 0.5783,
0.4217

 241.0525, 0.4020,

 0.0000, 1.0000,

0.3970

0.0000

290.6007, 0.3968,
0.3934

0.0000, 0.0000,
0.0000

40.0922, 0.4654,
0.4368

40.0922, 0.4654,
0.4368

37.1821, 0.4845,
0.4400

43.2938, 0.4440,
0.4288

34.5396, 0.5003,
0.4380


46.7958, 0.4215,
0.4169

33.4431, 0.5066,
0.4360


50.6136, 0.3989,
0.4024


54.7593, 0.3772,
0.3864

59.2441, 0.3568,
0.3698

 64.0786, 0.3382,
0.3534

 69.2725, 0.3213,
0.3375

 74.8354, 0.3063,
0.3225

 80.7761, 0.2929,
0.3084

Harmonies

Analogous

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



40.0922, 0.4918, 0.3727



40.0922, 0.4654, 0.4368



40.0922, 0.3995, 0.4877

Triad

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



40.0922, 0.4654, 0.4368



40.0922, 0.1812, 0.3232



40.0922, 0.2875, 0.2139

Complementary

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



40.0922, 0.4654, 0.4368



18.7358, 0.1893, 0.1694

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.



40.0922, 0.2145, 0.1959



40.0922, 0.4654, 0.4368



40.0922, 0.1610, 0.2448

Square

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



40.0922, 0.4654, 0.4368



40.0922, 0.2357, 0.4242



40.0922, 0.1724, 0.2043



40.0922, 0.3807, 0.2541

Rectangle

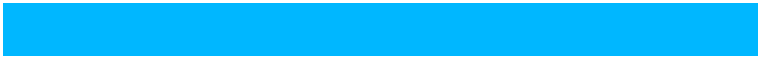
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.0922, 0.4654, 0.4368



40.0922, 0.3444, 0.4981



40.0922, 0.1724, 0.2043



40.0922, 0.2600, 0.2052

Sweetspot

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



40.0942, 0.4654, 0.4368



83.4641, 0.3522, 0.3659



19.3230, 0.4727, 0.2654



17.3606, 0.3593, 0.3719



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.



40.0942, 0.4654, 0.4368



49.1171, 0.4946, 0.4394



64.4849, 0.3950, 0.5018



14.3952, 0.3276, 0.3435



19.6473, 0.5049, 0.4373



1.4367, 0.4873, 0.4513

Inverse Universe

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



18.7358, 0.1893, 0.1694



18.6659, 0.1721, 0.1337



9.2956, 0.1792, 0.0971



13.4184, 0.2981, 0.3140



6.8635, 0.1668, 0.1206



0.6074, 0.1760, 0.1534

Previews

White Background



This preview shows how the Yxy color 40.0922, 0.4654, 0.4368 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 40.0922, 0.4654, 0.4368 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 40.0922, 0.4654, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 40.0922, 0.4654, 0.4368.



This preview shows how white text looks on a background with the Yxy color 40.0922, 0.4654, 0.4368.

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

40.0922, 0.4654, 0.4368

Protanopia

40.3684, 0.4217, 0.4659

Deuteranopia

40.2438, 0.4545, 0.4461



Tritanopia

40.1770, 0.3846, 0.3164

Trichromacy



Original Color

40.0922, 0.4654, 0.4368

Protanomaly

39.9755, 0.4376, 0.4551

Deuteranomaly

40.3457, 0.4583, 0.4433

Tritanomaly

39.8445, 0.4198, 0.3657

Monochromacy



Original Color

40.0922, 0.4654, 0.4368

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.6356, 0.3700, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0922, 0.4654, 0.4368 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, 158, 54)` looks like.

```
.text, #text, p{  
    color:rgb(221, 158, 54)  
}
```

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, 158, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 158, 54) }
```

Border

The CSS property to change the border of an element to Yxy 40.0922, 0.4654, 0.4368 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, 158, 54) }
```

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

```
.border{ border-color:rgb(221, 158, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 158, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 158, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 158, 54);  
box-shadow:4px 4px 4px 4px rgb(221, 158,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0922, 0.4654, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 158, 54) }
```

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

```
.background{ background-color: rgb(221,  
158, 54) }
```

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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