

Converting Colors

$Y_{xy}(35.4096, 0.4455, 0.4373)$

Have a look what the booklet for
Yxy(35.4096, 0.4455, 0.4373)
contains.

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Color

Yxy(35.4096, 0.4455, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	C8993E
RGB	200, 153, 62
RGB Percent	78%, 60%, 24%
CMY	0.2158, 0.3999, 0.7569
CMYK	0.00, 0.23, 0.69, 0.22
HSL	40°, 56%, 51%
HSV	40°, 69%, 78%
XYZ	36.0736, 35.4096, 9.4901
YIQ	156.6790, 57.2230, -18.3370

Conversions

Conversions Part 2

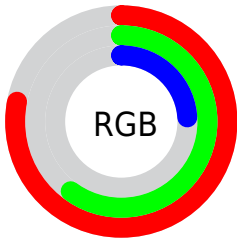
Format	Color
RYB	133, 200, 62
Decimal	13146430
CIELab	66.07, 8.28, 52.82
CIElCh	66, 53.463, 81.095
Yxy	35.4096, 0.4455, 0.4373
Android (android.graphics.Color)	4291336510 (0xFFC8993E)
YUV	156.6790, -46.6767, 37.9925
Hunter-Lab	59.5060, 4.0745, 32.1986

Details

The Yxy color **35.4096, 0.4455, 0.4373** 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 **16.1181, 0.1969, 0.1775**, and the grayscale version is **33.7595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1006, 0.4187, 0.4219**, and **15.2579, 0.4774, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **33.0661, 0.4645, 0.4447**, and if you desaturate by 10%, it is **37.9644, 0.4248, 0.4258**.

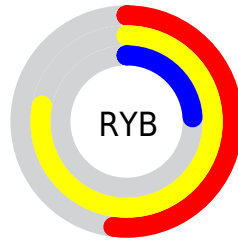
Distribution



Red (78%)

Green (60%)

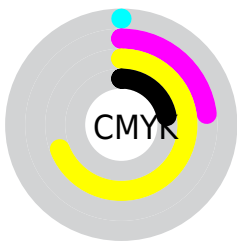
Blue (24%)



Red (52%)

Yellow (78%)

Blue (24%)

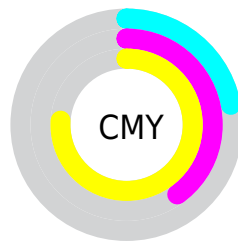


Cyan (0%)

Magenta (23%)

Yellow (69%)

Black (22%)



Cyan (22%)


Magenta (40%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4096, 0.4455, 0.4373 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 35.4096, 0.4455, 0.4373 by changing the saturation by 10% instead.


 35.4096, 0.4455,
0.4373


 35.4096, 0.4455,
0.4373


326.3726, 0.3798,
0.3865

 23.9786, 0.4601,
0.4474


 68.1198, 0.4226,
0.4205


 15.3177, 0.4771,
0.4581


 90.1678, 0.4136,
0.4136

 9.0427, 0.4970,
0.4691


 116.5235, 0.4059,
0.4076

 4.7690, 0.5208,
0.4792

 147.5714, 0.3993,
0.4023

 2.1124, 0.5309,
0.4691

 183.6959, 0.3935,
0.3976

 0.6716, 0.5558,
0.4442

225.2813, 0.3883,

 0.0000, 0.0000,

0.3935

0.0000

272.7121, 0.3838,
0.3898

■ 35.4096, 0.4455,
0.4373

■ 35.4096, 0.4455,
0.4373

■ 33.0661, 0.4645,
0.4447

■ 37.9644, 0.4248,
0.4258

■ 30.9171, 0.4809,
0.4472

■ 40.7353, 0.4036,
0.4114

■ 28.9466, 0.4943,
0.4450

■ 43.7329, 0.3826,
0.3951

■ 28.7565, 0.4956,
0.4447

■ 46.9655, 0.3625,
0.3778

■ 50.4409, 0.3438,
0.3605

■ 54.1661, 0.3267,
0.3436

■ 58.1481, 0.3112,
0.3274

■ 62.3933, 0.2974,
0.3123

■ 66.9078, 0.2850,
0.2982

Harmonies

Analogous

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



35.4096, 0.4743, 0.3801



35.4096, 0.4455, 0.4373



35.4096, 0.3828, 0.4764

Triad

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



35.4096, 0.4455, 0.4373



35.4096, 0.1883, 0.3126



35.4096, 0.3023, 0.2278

Complementary

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



35.4096, 0.4455, 0.4373



16.1181, 0.1969, 0.1775

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.



35.4096, 0.2317, 0.2080



35.4096, 0.4455, 0.4373



35.4096, 0.1734, 0.2461

Square

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



35.4096, 0.4455, 0.4373



35.4096, 0.2346, 0.4010



35.4096, 0.1882, 0.2125



35.4096, 0.3864, 0.2678

Rectangle

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



35.4096, 0.4455, 0.4373



35.4096, 0.3318, 0.4778



35.4096, 0.1882, 0.2125



35.4096, 0.2762, 0.2187

Sweetspot

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



35.4113, 0.4455, 0.4373



85.9383, 0.3480, 0.3645



16.8518, 0.4589, 0.2727



18.0302, 0.3532, 0.3693



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.



35.4113, 0.4455, 0.4373



55.2960, 0.4734, 0.4466



51.2571, 0.3871, 0.4940



11.7856, 0.3273, 0.3442



18.4627, 0.4943, 0.4457



1.0046, 0.4749, 0.4611

Inverse Universe

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



16.1181, 0.1969, 0.1775



20.0871, 0.1771, 0.1410



9.4386, 0.1943, 0.1169



10.8676, 0.2983, 0.3133



5.4348, 0.1643, 0.1113



0.3921, 0.1763, 0.1546

Previews

White Background



This preview shows how the Yxy color 35.4096, 0.4455, 0.4373 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 35.4096, 0.4455, 0.4373 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 35.4096, 0.4455, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 35.4096, 0.4455, 0.4373.



This preview shows how white text looks on a background with the Yxy color 35.4096, 0.4455, 0.4373.

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

35.4096, 0.4455, 0.4373

Protanopia

35.4436, 0.4152, 0.4562

Deuteranopia

35.4096, 0.4455, 0.4373



Tritanopia

35.5450, 0.3698, 0.3164

Trichromacy



Original Color

35.4096, 0.4455, 0.4373

Protanomaly

35.3774, 0.4269, 0.4492

Deuteranomaly

35.4096, 0.4455, 0.4373

Tritanomaly

35.0853, 0.4011, 0.3629

Monochromacy



Original Color

35.4096, 0.4455, 0.4373

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.0663, 0.3627, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4096, 0.4455, 0.4373 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(200, 153, 62)` looks like.

```
.text, #text, p{  
    color:rgb(200, 153, 62)  
}
```

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(200, 153, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 153, 62) }
```

Border

The CSS property to change the border of an element to Yxy 35.4096, 0.4455, 0.4373 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(200, 153, 62) }
```

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

```
.border{ border-color:rgb(200, 153, 62) }
```

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

Here you see how a box with a 4 pixel rgb(200, 153, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 153, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 153, 62);  
box-shadow:4px 4px 4px 4px rgb(200, 153,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4096, 0.4455, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 153, 62) }
```

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

```
.background{ background-color: rgb(200,  
153, 62) }
```

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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