

Converting Colors

$Y_{xy}(48.0459, 0.4355, 0.4336)$

Have a look what the booklet for
Yxy(48.0459, 0.4355, 0.4336)
contains.

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Color

Yxy(48.0459, 0.4355, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	E1B151
RGB	225, 177, 81
RGB Percent	88%, 69%, 32%
CMY	0.1177, 0.3058, 0.6825
CMYK	0.00, 0.21, 0.64, 0.12
HSL	40°, 71%, 60%
HSV	40°, 64%, 88%
XYZ	48.2564, 48.0459, 14.5046
YIQ	180.4080, 59.4240, -19.6800

Conversions

Conversions Part 2

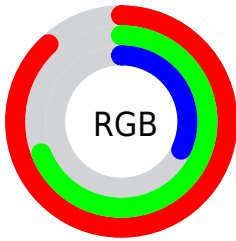
Format	Color
RYB	153, 225, 81
Decimal	14790993
CIELab	74.85, 7.27, 54.50
CIElCh	75, 54.983, 82.404
Yxy	48.0459, 0.4355, 0.4336
Android (android.graphics.Color)	4292981073 (0xFFE1B151)
YUV	180.4080, -49.0081, 39.1072
Hunter-Lab	69.3151, 2.9682, 36.1138

Details

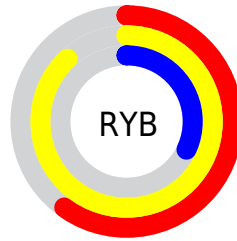
The Yxy color **48.0459, 0.4355, 0.4336** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.8673, 0.2034, 0.1874**, and the grayscale version is **46.1161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6945, 0.3930, 0.4263**, and **22.8534, 0.4621, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **44.8845, 0.4552, 0.4431**, and if you desaturate by 10%, it is **51.4864, 0.4145, 0.4204**.

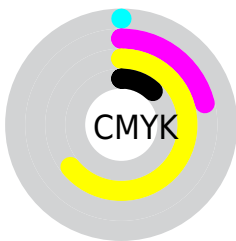
Distribution



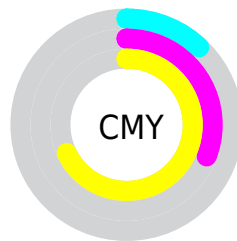
- Red (88%)
- Green (69%)
- Blue (32%)



- Red (60%)
- Yellow (88%)
- Blue (32%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (12%)





- Cyan (12%)
- Magenta (31%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0459, 0.4355, 0.4336 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 48.0459, 0.4355, 0.4336 by changing the saturation by 10% instead.

 48.0459, 0.4355,
0.4336

 48.0459, 0.4355,
0.4336

378.9740, 0.3775,
0.3862

 33.8632, 0.4480,
0.4430

 87.2727, 0.4157,
0.4180

 22.7886, 0.4626,
0.4535


 113.0857, 0.4079,
0.4116

 14.4375, 0.4793,
0.4646

 143.5442, 0.4011,
0.4061

 8.4255, 0.5004,
0.4774

 179.0327, 0.3951,
0.4011

 4.3684, 0.5176,
0.4824

 219.9355, 0.3899,
0.3968

 1.8817, 0.5272,
0.4728

266.6371, 0.3853,

 0.5374, 0.5615,

0.3929

0.4385

319.5218, 0.3811,
0.3894

0.0000, 0.0000,
0.0000

48.0459, 0.4355,
0.4336

48.0459, 0.4355,
0.4336

44.8845, 0.4552,
0.4431

51.4864, 0.4145,
0.4204

41.9811, 0.4727,
0.4480

55.2114, 0.3934,
0.4047

39.3214, 0.4870,
0.4477

59.2347, 0.3727,
0.3876

37.8330, 0.4943,
0.4457

63.5667, 0.3533,
0.3699

68.2172, 0.3353,
0.3524

■ 73.1953, 0.3188,
0.3355

■ 78.5097, 0.3041,
0.3196

■ 83.7798, 0.2943,
0.3106

■ 88.2108, 0.2944,
0.3183

Harmonies

Analogous

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



48.0459, 0.4632, 0.3808



48.0459, 0.4355, 0.4336



48.0459, 0.3763, 0.4670

Triad

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



48.0459, 0.4355, 0.4336



48.0459, 0.1949, 0.3112



48.0459, 0.3067, 0.2351

Complementary

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



48.0459, 0.4355, 0.4336



22.8673, 0.2034, 0.1874

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.



48.0459, 0.2394, 0.2155



48.0459, 0.4355, 0.4336



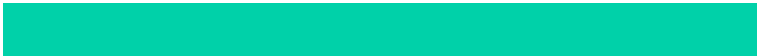
48.0459, 0.1816, 0.2500

Square

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



48.0459, 0.4355, 0.4336



48.0459, 0.2377, 0.3921



48.0459, 0.1968, 0.2191



48.0459, 0.3847, 0.2738

Rectangle

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



48.0459, 0.4355, 0.4336



48.0459, 0.3283, 0.4656



48.0459, 0.1968, 0.2191



48.0459, 0.2820, 0.2262

Sweetspot

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



48.0482, 0.4355, 0.4336



87.3937, 0.3443, 0.3613



23.4685, 0.4480, 0.2771



18.3292, 0.3495, 0.3664



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.



48.0482, 0.4355, 0.4336



58.2209, 0.4617, 0.4454



66.8579, 0.3824, 0.4871



15.2200, 0.3275, 0.3446



22.0249, 0.4929, 0.4469



1.6891, 0.4787, 0.4581

Inverse Universe

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



22.8673, 0.2034, 0.1874



22.5699, 0.1838, 0.1534



14.3142, 0.2041, 0.1307



13.9856, 0.2981, 0.3129



6.2212, 0.1635, 0.1085



0.5919, 0.1721, 0.1395

Previews

White Background



This preview shows how the Yxy color 48.0459, 0.4355, 0.4336 looks on a white background.

Color Contrast Check

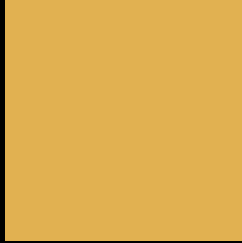
Large Text (above 18pt) WCAG AA × Fail

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 48.0459, 0.4355, 0.4336 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 48.0459, 0.4355, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 48.0459, 0.4355, 0.4336.



This preview shows how white text looks on a background with the Yxy color 48.0459, 0.4355, 0.4336.

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

48.0459, 0.4355, 0.4336

Protanopia

48.3016, 0.4098, 0.4490

Deuteranopia

47.9120, 0.4407, 0.4298



Tritanopia

47.8507, 0.3639, 0.3144

Trichromacy



Original Color

48.0459, 0.4355, 0.4336

Protanomaly

48.0621, 0.4191, 0.4437

Deuteranomaly

48.1387, 0.4390, 0.4312

Tritanomaly

47.5556, 0.3938, 0.3604

Monochromacy



Original Color

48.0459, 0.4355, 0.4336

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9896, 0.3575, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0459, 0.4355, 0.4336 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(225, 177, 81)` looks like.

```
.text, #text, p{  
    color:rgb(225, 177, 81)  
}
```

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(225, 177, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 177, 81) }
```

Border

The CSS property to change the border of an element to Yxy 48.0459, 0.4355, 0.4336 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(225, 177, 81) }
```

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

```
.border{ border-color:rgb(225, 177, 81) }
```

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

Here you see how a box with a 4 pixel rgb(225, 177, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 177, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 177, 81);  
box-shadow:4px 4px 4px 4px rgb(225, 177,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0459, 0.4355, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 177, 81) }
```

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

```
.background{ background-color: rgb(225,  
177, 81) }
```

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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