

Converting Colors

$Y_{xy}(36.1869, 0.5053, 0.4370)$

Have a look what the booklet for
Yxy(36.1869, 0.5053, 0.4370)
contains.

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Color

Yxy(36.1389, 0.5055, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	E48F00
RGB	228, 143, 0
RGB Percent	89%, 56%, 0%
CMY	0.1058, 0.4392, 0.9996
CMYK	0.00, 0.37, 1.00, 0.11
HSL	38°, 100%, 45%
HSV	38°, 100%, 89%
XYZ	41.8228, 36.1389, 4.7738
YIQ	152.1130, 96.5630, -26.4530

Conversions

Conversions Part 2

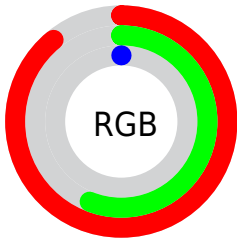
Format	Color
RYB	136, 228, 0
Decimal	14978816
CIELab	66.63, 24.16, 71.94
CIELCh	67, 75.883, 71.438
Yxy	36.1389, 0.5055, 0.4368
Android (android.graphics.Color)	4293168896 (0xFFE48F00)
YUV	152.1130, -74.9917, 66.5529
Hunter-Lab	60.1156, 18.9812, 37.3727

Details

The Yxy color **36.1389, 0.5055, 0.4368** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **12.1208, 0.1657, 0.1163**, and the grayscale version is **31.7560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6869, 0.4485, 0.4431**, and **15.7613, 0.5238, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **36.1289, 0.5056, 0.4368**, and if you desaturate by 10%, it is **38.8536, 0.4911, 0.4406**.

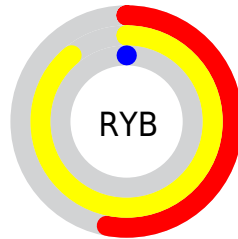
Distribution



Red (89%)

Green (56%)

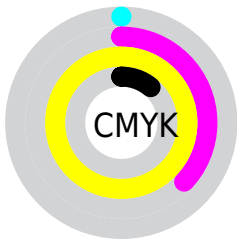
Blue (0%)



Red (53%)

Yellow (89%)

Blue (0%)

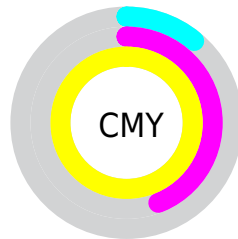


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1389, 0.5055, 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 36.1389, 0.5055, 0.4368 by changing the saturation by 10% instead.

 36.1389, 0.5055,
0.4368


 36.1389, 0.5055,
0.4368


329.5672, 0.4150,
0.3967


 24.5415, 0.5229,
0.4402


 69.2464, 0.4759,
0.4269

 15.7358, 0.5423,
0.4412


 91.5253, 0.4637,
0.4217

 9.3374, 0.5629,
0.4371


 118.1334, 0.4529,
0.4168

 4.9619, 0.5793,
0.4207

 149.4553, 0.4434,
0.4121

 2.2249, 0.6046,
0.3954

 185.8752, 0.4350,
0.4077

 0.7335, 0.6513,
0.3487

 227.7775, 0.4276,


 0.0000, 1.0000,


0.4037

0.0000

 275.5468, 0.4209,
0.4001

 0.0000, 0.0000,
0.0000


 36.1389, 0.5055,
0.4368


 36.1389, 0.5055,
0.4368


 36.1289, 0.5056,
0.4368

 38.8536, 0.4911,
0.4406

 41.8365, 0.4736,
0.4397

 45.1163, 0.4532,
0.4336

 48.7104, 0.4312,
0.4232

 52.6336, 0.4086,
0.4097

■ 56.8995, 0.3865,
0.3941

■ 61.5204, 0.3656,
0.3775

■ 66.5079, 0.3462,
0.3608

■ 71.8727, 0.3285,
0.3445

Harmonies

Analogous

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



36.1389, 0.5337, 0.3600



36.1389, 0.5055, 0.4368



36.1389, 0.4274, 0.5118

Triad

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



36.1389, 0.5055, 0.4368



36.1389, 0.1600, 0.3399



36.1389, 0.2617, 0.1853

Complementary

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



36.1389, 0.5055, 0.4368



12.1208, 0.1657, 0.1163

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.



36.1389, 0.1819, 0.1690



36.1389, 0.5055, 0.4368



36.1389, 0.1324, 0.2349

Square

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



36.1389, 0.5055, 0.4368



36.1389, 0.2293, 0.4747



36.1389, 0.1405, 0.1824



36.1389, 0.3758, 0.2277

Rectangle

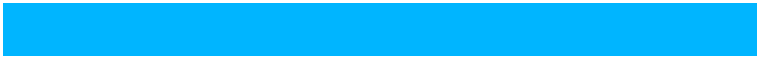
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1389, 0.5055, 0.4368



36.1389, 0.3619, 0.5422



36.1389, 0.1405, 0.1824



36.1389, 0.2306, 0.1769

Sweetspot

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



36.1408, 0.5055, 0.4368



79.1383, 0.3660, 0.3779



17.1955, 0.5478, 0.2792



16.3869, 0.3748, 0.3850



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.



36.1408, 0.5055, 0.4368



46.3566, 0.5062, 0.4363



67.9756, 0.3987, 0.5216



15.8661, 0.3277, 0.3437



21.0925, 0.5039, 0.4381



1.7354, 0.4883, 0.4505

Inverse Universe

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



12.1208, 0.1657, 0.1163



15.4279, 0.1653, 0.1151



5.8337, 0.1536, 0.0620



14.7636, 0.2981, 0.3139



7.2003, 0.1664, 0.1190



0.7056, 0.1745, 0.1482

Previews

White Background



This preview shows how the Yxy color 36.1389, 0.5055, 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 36.1389, 0.5055, 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 36.1389, 0.5055, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 36.1389, 0.5055, 0.4368.



This preview shows how white text looks on a background with the Yxy color 36.1389, 0.5055, 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

36.1389, 0.5055, 0.4368

Protanopia

36.2991, 0.4375, 0.4853

Deuteranopia

36.0903, 0.4718, 0.4636



Tritanopia

36.2507, 0.4146, 0.3179

Trichromacy



Original Color

36.1389, 0.5055, 0.4368

Protanomaly

35.9410, 0.4622, 0.4680

Deuteranomaly

35.9588, 0.4840, 0.4539

Tritanomaly

35.8025, 0.4673, 0.3793

Monochromacy



Original Color

36.1389, 0.5055, 0.4368

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.0613, 0.3985, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1389, 0.5055, 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(228, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 143, 0)  
}
```

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(228, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.1389, 0.5055, 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(228, 143, 0) }
```

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

```
.border{ border-color:rgb(228, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1389, 0.5055, 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(228, 143, 0) }
```

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

```
.background{ background-color: rgb(228,  
143, 0) }
```

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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