

Converting Colors

$Y_{xy}(36.2461, 0.5020, 0.4396)$

Have a look what the booklet for
Yxy(36.2461, 0.5020, 0.4396)
contains.

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Color

Yxy(36.1153, 0.5026, 0.4391)

Conversions

Conversions Part 1

Format	Color
Hex	E29000
RGB	226, 144, 0
RGB Percent	89%, 56%, 0%
CMY	0.1137, 0.4353, 0.9996
CMYK	0.00, 0.36, 1.00, 0.11
HSL	38°, 100%, 44%
HSV	38°, 100%, 89%
XYZ	41.3381, 36.1153, 4.7951
YIQ	152.1020, 95.0960, -27.4000

Conversions

Conversions Part 2

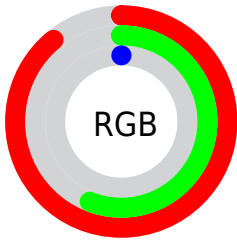
Format	Color
R_{YB}	129, 226, 0
Decimal	14848000
CIE _{Lab}	66.61, 22.76, 71.80
CIE _{LCh}	67, 75.320, 72.413
Yxy	36.1153, 0.5026, 0.4391
Android (android.graphics.Color)	4293038080 (0xFFE29000)
YUV	152.1020, -74.9863, 64.8085
Hunter-Lab	60.0960, 17.6163, 37.3364

Details

The Yxy color **36.1153, 0.5026, 0.4391** 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 **11.5426, 0.1649, 0.1136**, and the grayscale version is **31.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1426, 0.4477, 0.4439**, and **15.7212, 0.5200, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **36.1046, 0.5027, 0.4391**, and if you desaturate by 10%, it is **38.7539, 0.4886, 0.4426**.

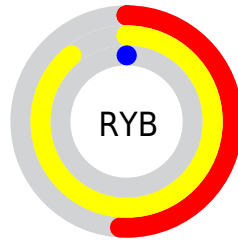
Distribution



Red (89%)

Green (56%)

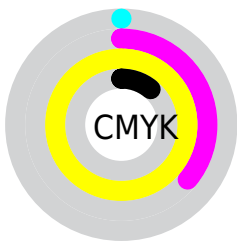
Blue (0%)



Red (51%)

Yellow (89%)

Blue (0%)

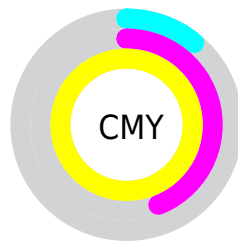


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1153, 0.5026, 0.4391 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 36.1153, 0.5026, 0.4391 by changing the saturation by 10% instead.

 36.1153, 0.5026,
0.4391


 36.1153, 0.5026,
0.4391


329.4642, 0.4135,
0.3975


 24.5233, 0.5197,
0.4429


 69.2100, 0.4735,
0.4286

 15.7222, 0.5386,
0.4445

 91.4814, 0.4615,
0.4232


 9.3278, 0.5588,
0.4412


 118.0815, 0.4509,
0.4180

 4.9556, 0.5744,
0.4256

 149.3945, 0.4416,
0.4132

 2.2212, 0.5985,
0.4015

 185.8049, 0.4333,
0.4088


 0.7315, 0.6435,
0.3565


 227.6970, 0.4259,


 0.0000, 1.0000,


0.4047


0.0000


 275.4553, 0.4194,
0.4009

 0.0000, 0.0000,
0.0000


 36.1153, 0.5026,
0.4391


 36.1153, 0.5026,
0.4391


 36.1046, 0.5027,
0.4391

 38.7539, 0.4886,
0.4426

 41.6456, 0.4716,
0.4414

 44.8184, 0.4517,
0.4352

 48.2889, 0.4301,
0.4246

 52.0713, 0.4079,
0.4108

■ 56.1786, 0.3861,
0.3950

■ 60.6226, 0.3653,
0.3782

■ 65.4142, 0.3460,
0.3613

■ 70.5639, 0.3285,
0.3447

Harmonies

Analogous

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



36.1153, 0.5325, 0.3625



36.1153, 0.5026, 0.4391



36.1153, 0.4240, 0.5129

Triad

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



36.1153, 0.5026, 0.4391



36.1153, 0.1594, 0.3357



36.1153, 0.2653, 0.1871

Complementary

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



36.1153, 0.5026, 0.4391



11.5426, 0.1649, 0.1136

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.



36.1153, 0.1846, 0.1700



36.1153, 0.5026, 0.4391



36.1153, 0.1331, 0.2331

Square

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



36.1153, 0.5026, 0.4391



36.1153, 0.2271, 0.4696



36.1153, 0.1421, 0.1823



36.1153, 0.3793, 0.2300

Rectangle

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



36.1153, 0.5026, 0.4391



36.1153, 0.3586, 0.5414



36.1153, 0.1421, 0.1823



36.1153, 0.2340, 0.1784

Sweetspot

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



36.1172, 0.5026, 0.4391



79.5592, 0.3658, 0.3787



16.7949, 0.5543, 0.2828



16.4873, 0.3745, 0.3858



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.



36.1172, 0.5026, 0.4391



47.2550, 0.5033, 0.4385



66.1133, 0.3957, 0.5240



15.1491, 0.3276, 0.3439



20.8306, 0.5010, 0.4404



1.6122, 0.4851, 0.4530

Inverse Universe

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



11.5426, 0.1649, 0.1136



14.9722, 0.1646, 0.1124



5.7730, 0.1545, 0.0625



14.0538, 0.2981, 0.3136



6.7846, 0.1657, 0.1164



0.6365, 0.1743, 0.1474

Previews

White Background



This preview shows how the Yxy color 36.1153, 0.5026, 0.4391 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 36.1153, 0.5026, 0.4391 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 36.1153, 0.5026, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 36.1153, 0.5026, 0.4391.



This preview shows how white text looks on a background with the Yxy color 36.1153, 0.5026, 0.4391.

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

36.1153, 0.5026, 0.4391

Protanopia

36.2991, 0.4375, 0.4853

Deuteranopia

36.0903, 0.4718, 0.4636



Tritanopia

36.2196, 0.4110, 0.3178

Trichromacy



Original Color

36.1153, 0.5026, 0.4391

Protanomaly

35.9410, 0.4622, 0.4680

Deuteranomaly

35.9588, 0.4840, 0.4539

Tritanomaly

35.7727, 0.4636, 0.3799

Monochromacy



Original Color

36.1153, 0.5026, 0.4391

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.9417, 0.3974, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1153, 0.5026, 0.4391 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(226, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 144, 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(226, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.1153, 0.5026, 0.4391 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(226, 144, 0) }
```

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

```
.border{ border-color:rgb(226, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1153, 0.5026, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 144, 0) }
```

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

```
.background{ background-color: rgb(226,  
144, 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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