

Converting Colors

$Y_{xy}(36.4108, 0.4235, 0.5071)$

Have a look what the booklet for
Yxy(36.4108, 0.4235, 0.5071)
contains.

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Color

Yxy(36.5513, 0.4214, 0.5036)

Conversions

Conversions Part 1

Format	Color
Hex	AAA800
RGB	170, 168, 0
RGB Percent	67%, 66%, 0%
CMY	0.3332, 0.3412, 0.9999
CMYK	0.00, 0.01, 1.00, 0.33
HSL	59°, 100%, 33%
HSV	59°, 100%, 67%
XYZ	30.5852, 36.5513, 5.4435
YIQ	149.4460, 55.1200, -51.8240

Conversions

Conversions Part 2

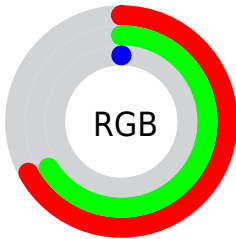
Format	Color
R _Y B	2, 170, 0
Decimal	11184128
CIE Lab	66.94, -14.86, 69.32
CIE LCh	67, 70.896, 102.102
Yxy	36.5513, 0.4214, 0.5036
Android (android.graphics.Color)	4289374208 (0xFFAAA800)
YUV	149.4460, -73.6769, 18.0259
Hunter-Lab	60.4577, -15.4987, 36.9820

Details

The Yxy color **36.5513, 0.4214, 0.5036** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9485, 0.1503, 0.0608**, and the grayscale version is **30.5566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9552, 0.4078, 0.4754**, and **16.0015, 0.4150, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **36.5528, 0.4214, 0.5036**, and if you desaturate by 10%, it is **36.6687, 0.4187, 0.4997**.

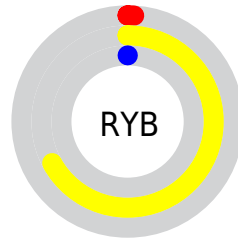
Distribution



Red (67%)

Green (66%)

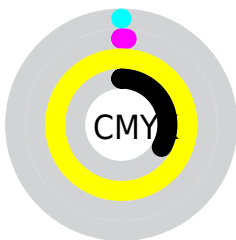
Blue (0%)



Red (1%)

Yellow (67%)

Blue (0%)

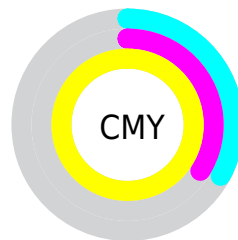


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5513, 0.4214, 0.5036 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 36.5513, 0.4214, 0.5036 by changing the saturation by 10% instead.


 36.5513, 0.4214,
0.5036


 36.5513, 0.4214,
0.5036

331.3638, 0.3748,
0.4189

 24.8603, 0.4280,
0.5207


 69.8821, 0.4077,
0.4752


 15.9730, 0.4331,
0.5395


 92.2907, 0.4015,
0.4636


 9.5050, 0.4371,
0.5629


 119.0407, 0.3959,
0.4536

 5.0720, 0.4251,
0.5749

 150.5163, 0.3908,
0.4448

 2.2896, 0.4055,
0.5945

 187.1020, 0.3861,
0.4371

 0.7682, 0.3235,
0.6765

 229.1823, 0.3820,

 0.0000, 0.0000,

0.4304

0.0000

277.1414, 0.3782,
0.4243

■ 36.5513, 0.4214,
0.5036

■ 36.5513, 0.4214,
0.5036

■ 36.5528, 0.4214,
0.5036

■ 36.6687, 0.4187,
0.4997

■ 36.8192, 0.4140,
0.4925

■ 37.0183, 0.4067,
0.4811

■ 37.2724, 0.3970,
0.4656

■ 37.5868, 0.3852,
0.4466

■ 37.9663, 0.3718,
0.4250

■ 38.4151, 0.3573,
0.4015

■ 38.9371, 0.3423,
0.3772

■ 39.5359, 0.3273,
0.3528

Harmonies

Analogous

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



36.5513, 0.4945, 0.4356



36.5513, 0.4214, 0.5036



36.5513, 0.3270, 0.5278

Triad

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



36.5513, 0.4214, 0.5036



36.5513, 0.1416, 0.2401



36.5513, 0.3745, 0.2346

Complementary

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



36.5513, 0.4214, 0.5036



2.9485, 0.1503, 0.0608

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.



36.5513, 0.2674, 0.1935



36.5513, 0.4214, 0.5036



36.5513, 0.1497, 0.1902

Square

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



36.5513, 0.4214, 0.5036



36.5513, 0.1680, 0.3375



36.5513, 0.1905, 0.1774



36.5513, 0.4756, 0.2940

Rectangle

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



36.5513, 0.4214, 0.5036



36.5513, 0.2631, 0.4935



36.5513, 0.1905, 0.1774



36.5513, 0.3370, 0.2184

Sweetspot

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



36.5530, 0.4214, 0.5036



69.6234, 0.3581, 0.4028



8.5564, 0.6381, 0.3289



15.4491, 0.3641, 0.4126



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.5530, 0.4214, 0.5036



66.2704, 0.4214, 0.5036



30.8289, 0.3393, 0.5688



8.7582, 0.3262, 0.3511



26.8843, 0.4214, 0.5036



0.6588, 0.4206, 0.5042

Inverse Universe

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



2.9485, 0.1503, 0.0608



5.3235, 0.1502, 0.0606



4.7068, 0.1997, 0.0874



7.3144, 0.2986, 0.3060



2.1734, 0.1503, 0.0610



0.0572, 0.1515, 0.0655

Previews

White Background



This preview shows how the Yxy color 36.5513, 0.4214, 0.5036 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 36.5513, 0.4214, 0.5036 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 36.5513, 0.4214, 0.5036

Background



This preview shows how black text looks on a background with the Yxy color 36.5513, 0.4214, 0.5036.



This preview shows how white text looks on a background with the Yxy color 36.5513, 0.4214, 0.5036.

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

36.5513, 0.4214, 0.5036

Protanopia

36.3847, 0.4409, 0.4881

Deuteranopia

36.3032, 0.4680, 0.4569



Tritanopia

36.4278, 0.3262, 0.3126

Trichromacy



Original Color

36.5513, 0.4214, 0.5036

Protanomaly

36.4940, 0.4337, 0.4939

Deuteranomaly

36.1711, 0.4519, 0.4740

Tritanomaly

35.5503, 0.3794, 0.4043

Monochromacy



Original Color

36.5513, 0.4214, 0.5036

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.7713, 0.3709, 0.4229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5513, 0.4214, 0.5036 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(170, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 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(170, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.5513, 0.4214, 0.5036 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(170, 168, 0) }
```

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

```
.border{ border-color:rgb(170, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5513, 0.4214, 0.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 0) }
```

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

```
.background{ background-color: rgb(170,  
168, 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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