

Converting Colors

$Y_{xy}(35.0945, 0.4256, 0.5003)$

Have a look what the booklet for
Yxy(35.0945, 0.4256, 0.5003)
contains.

Yxy(35.0970, 0.4256, 0.5003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.0970, 0.4256, 0.5003)

Conversions

Conversions Part 1

Format	Color
Hex	AAA400
RGB	170, 164, 0
RGB Percent	67%, 64%, 0%
CMY	0.3332, 0.3569, 1.0000
CMYK	0.00, 0.04, 1.00, 0.33
HSL	58°, 100%, 33%
HSV	58°, 100%, 67%
XYZ	29.8567, 35.0970, 5.1983
YIQ	147.0980, 56.2200, -49.7320

Conversions

Conversions Part 2

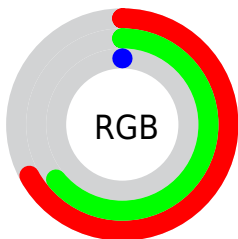
Format	Color
RYB	6, 170, 0
Decimal	11183104
CIELab	65.82, -12.80, 68.52
CIELCh	66, 69.707, 100.582
Yxy	35.0970, 0.4256, 0.5003
Android (android.graphics.Color)	4289373184 (0xFFAAA400)
YUV	147.0980, -72.5193, 20.0851
Hunter-Lab	59.2427, -13.7158, 36.2675

Details

The Yxy color **35.0970, 0.4256, 0.5003** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0340, 0.1507, 0.0624**, and the grayscale version is **29.5112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8290, 0.4109, 0.4730**, and **15.3210, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **35.0988, 0.4256, 0.5003**, and if you desaturate by 10%, it is **35.3555, 0.4223, 0.4966**.

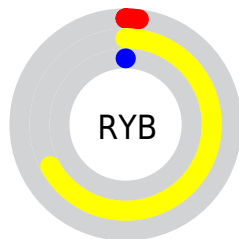
Distribution



Red (67%)

Green (64%)

Blue (0%)



Red (2%)

Yellow (67%)

Blue (0%)

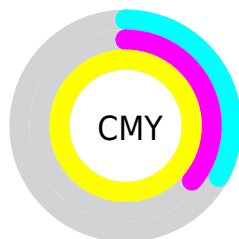


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0970, 0.4256, 0.5003 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 35.0970, 0.4256, 0.5003 by changing the saturation by 10% instead.


 35.0970, 0.4256,
0.5003


 35.0970, 0.4256,
0.5003


324.9963, 0.3764,
0.4173


 23.7376, 0.4329,
0.5170


 67.6360, 0.4109,
0.4725


 15.1391, 0.4389,
0.5352


 89.5844, 0.4043,
0.4612


 8.9171, 0.4433,
0.5567


 115.8313, 0.3984,
0.4513

 4.6871, 0.4325,
0.5675

 146.7610, 0.3930,
0.4427

 2.0649, 0.4147,
0.5853

 182.7580, 0.3882,
0.4352

 0.6448, 0.3178,
0.6822

 224.2066, 0.3838,

 0.0000, 0.0000,

0.4285

0.0000

271.4912, 0.3799,
0.4225

35.0970, 0.4256,
0.5003

35.0970, 0.4256,
0.5003

35.0988, 0.4256,
0.5003

35.3555, 0.4223,
0.4966

35.6478, 0.4170,
0.4896

35.9896, 0.4092,
0.4784

36.3873, 0.3989,
0.4631

36.8463, 0.3865,
0.4444

■ 37.3712, 0.3726,
0.4231

■ 37.9663, 0.3577,
0.4000

■ 38.6355, 0.3425,
0.3761

■ 39.3825, 0.3274,
0.3523

Harmonies

Analogous

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



35.0970, 0.4967, 0.4317



35.0970, 0.4256, 0.5003



35.0970, 0.3320, 0.5279

Triad

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



35.0970, 0.4256, 0.5003



35.0970, 0.1425, 0.2441



35.0970, 0.3686, 0.2323

Complementary

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



35.0970, 0.4256, 0.5003



3.0340, 0.1507, 0.0624

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.



35.0970, 0.2628, 0.1924



35.0970, 0.4256, 0.5003



35.0970, 0.1489, 0.1921

Square

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



35.0970, 0.4256, 0.5003



35.0970, 0.1708, 0.3436



35.0970, 0.1879, 0.1777



35.0970, 0.4710, 0.2909

Rectangle

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



35.0970, 0.4256, 0.5003



35.0970, 0.2680, 0.4970



35.0970, 0.1879, 0.1777



35.0970, 0.3313, 0.2164

Sweetspot

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



35.0988, 0.4256, 0.5003



68.8020, 0.3586, 0.4013



8.5674, 0.6343, 0.3268



15.2416, 0.3647, 0.4108



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.



35.0988, 0.4256, 0.5003



63.5921, 0.4257, 0.5002



31.1126, 0.3441, 0.5650



8.7275, 0.3263, 0.3505



25.8288, 0.4255, 0.5003



0.6419, 0.4233, 0.5021

Inverse Universe

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



3.0340, 0.1507, 0.0624



5.4366, 0.1505, 0.0618



4.4607, 0.1936, 0.0840



7.3416, 0.2986, 0.3065



2.2488, 0.1508, 0.0629



0.0676, 0.1544, 0.0758

Previews

White Background



This preview shows how the Yxy color 35.0970, 0.4256, 0.5003 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 35.0970, 0.4256, 0.5003 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 35.0970, 0.4256, 0.5003

Background



This preview shows how black text looks on a background with the Yxy color 35.0970, 0.4256, 0.5003.



This preview shows how white text looks on a background with the Yxy color 35.0970, 0.4256, 0.5003.

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

35.0970, 0.4256, 0.5003

Protanopia

34.9654, 0.4413, 0.4878

Deuteranopia

35.0790, 0.4668, 0.4581



Tritanopia

34.8401, 0.3296, 0.3125

Trichromacy



Original Color

35.0970, 0.4256, 0.5003

Protanomaly

34.8368, 0.4360, 0.4920

Deuteranomaly

34.7586, 0.4526, 0.4737

Tritanomaly

34.0065, 0.3833, 0.4036

Monochromacy



Original Color

35.0970, 0.4256, 0.5003

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5592, 0.3711, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0970, 0.4256, 0.5003 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, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 164, 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, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.0970, 0.4256, 0.5003 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, 164, 0) }
```

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

```
.border{ border-color:rgb(170, 164, 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, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0970, 0.4256, 0.5003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 164, 0) }
```

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

```
.background{ background-color: rgb(170,  
164, 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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