

Converting Colors

$Y_{xy}(35.2243, 0.3960, 0.4995)$

Have a look what the booklet for
Yxy(35.2243, 0.3960, 0.4995)
contains.

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Color

Yxy(35.1270, 0.3966, 0.4993)

Conversions

Conversions Part 1

Format	Color
Hex	9BA828
RGB	155, 168, 40
RGB Percent	61%, 66%, 16%
CMY	0.3922, 0.3411, 0.8428
CMYK	0.08, 0.00, 0.76, 0.34
HSL	66°, 61%, 41%
HSV	66°, 76%, 66%
XYZ	27.9018, 35.1270, 7.3237
YIQ	149.5210, 33.3400, -42.5640

Conversions

Conversions Part 2

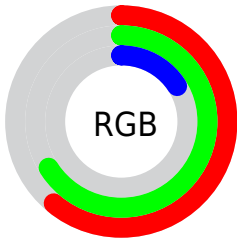
Format	Color
RYB	40, 168, 53
Decimal	10201128
CIELab	65.85, -20.49, 59.78
CIELCh	66, 63.193, 108.917
Yxy	35.1270, 0.3966, 0.4993
Android (android.graphics.Color)	4288391208 (0xFF9BA828)
YUV	149.5210, -53.9939, 4.8051
Hunter-Lab	59.2680, -19.6861, 34.1612

Details

The Yxy color **35.1270, 0.3966, 0.4993** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1101, 0.1791, 0.0983**, and the grayscale version is **30.5112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6169, 0.3853, 0.4681**, and **15.2001, 0.3962, 0.5236** is the 20% darker color. If you saturate the color by 10%, you get **34.8698, 0.4002, 0.5103**, and if you desaturate by 10%, it is **35.4395, 0.3904, 0.4841**.

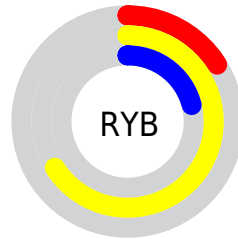
Distribution



Red (61%)

Green (66%)

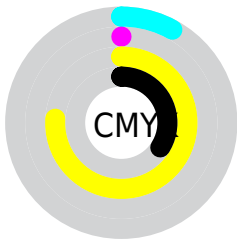
Blue (16%)



Red (16%)

Yellow (66%)

Blue (21%)

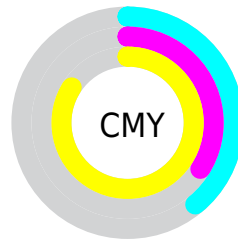


Cyan (8%)

Magenta (0%)

Yellow (76%)

Black (34%)



Cyan (39%)


Magenta (34%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1270, 0.3966, 0.4993 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 35.1270, 0.3966, 0.4993 by changing the saturation by 10% instead.


 35.1270, 0.3966,
0.4993


 35.1270, 0.3966,
0.4993


325.1285, 0.3599,
0.4119


 23.7607, 0.4021,
0.5195


 67.6825, 0.3856,
0.4682


 15.1562, 0.4064,
0.5434


 89.6404, 0.3806,
0.4562

 8.9291, 0.4122,
0.5786


 115.8978, 0.3762,
0.4460

 4.6950, 0.3983,
0.6017

 146.8388, 0.3722,
0.4372

 2.0694, 0.3692,
0.6308

 182.8481, 0.3686,
0.4296

 0.6473, 0.1510,
0.8490

 224.3098, 0.3654,

 0.0000, 0.0000,

0.4230

0.0000

271.6085, 0.3625,
0.4171

■ 35.1270, 0.3966,
0.4993

■ 35.1270, 0.3966,
0.4993

■ 34.8698, 0.4002,
0.5103

■ 35.4395, 0.3904,
0.4841

■ 34.6554, 0.4015,
0.5171

■ 35.8083, 0.3819,
0.4650

■ 34.5780, 0.4017,
0.5193

■ 36.2398, 0.3715,
0.4430

■ 36.7386, 0.3596,
0.4189

■ 37.3085, 0.3469,
0.3938

■ 37.9534, 0.3337,
0.3685

■ 38.6765, 0.3206,
0.3437

■ 39.4812, 0.3079,
0.3200

■ 40.3704, 0.2957,
0.2977

Harmonies

Analogous

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



35.1270, 0.4689, 0.4457



35.1270, 0.3966, 0.4993



35.1270, 0.3079, 0.5005

Triad

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



35.1270, 0.3966, 0.4993



35.1270, 0.1533, 0.2348



35.1270, 0.3921, 0.2538

Complementary

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



35.1270, 0.3966, 0.4993



5.1101, 0.1791, 0.0983

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.



35.1270, 0.2926, 0.2105



35.1270, 0.3966, 0.4993



35.1270, 0.1677, 0.1960

Square

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



35.1270, 0.3966, 0.4993



35.1270, 0.1713, 0.3145



35.1270, 0.2137, 0.1898



35.1270, 0.4750, 0.3125

Rectangle

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



35.1270, 0.3966, 0.4993



35.1270, 0.2505, 0.4562



35.1270, 0.2137, 0.1898



35.1270, 0.3585, 0.2372

Sweetspot

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



35.1286, 0.3966, 0.4993



68.0000, 0.3433, 0.3869



11.0139, 0.5560, 0.3440



14.7366, 0.3479, 0.3957



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



35.1286, 0.3966, 0.4993



63.0089, 0.4013, 0.5151



30.3987, 0.3343, 0.5426



8.7345, 0.3247, 0.3514



26.1221, 0.4019, 0.5191



0.6463, 0.4080, 0.5142

Inverse Universe

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



5.1101, 0.1791, 0.0983



6.0736, 0.1591, 0.0693



8.1209, 0.2479, 0.1329



7.3357, 0.3001, 0.3058



2.2370, 0.1542, 0.0623



0.0653, 0.1720, 0.0721

Previews

White Background



This preview shows how the Yxy color 35.1270, 0.3966, 0.4993 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 35.1270, 0.3966, 0.4993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

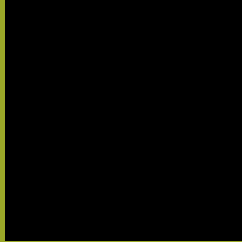
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1270, 0.3966, 0.4993

Background



This preview shows how black text looks on a background with the Yxy color 35.1270, 0.3966, 0.4993.



This preview shows how white text looks on a background with the Yxy color 35.1270, 0.3966, 0.4993.

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

35.1270, 0.3966, 0.4993

Protanopia

34.9849, 0.4310, 0.4751

Deuteranopia

34.9411, 0.4555, 0.4476



Tritanopia

35.1940, 0.3116, 0.3119

Trichromacy



Original Color

35.1270, 0.3966, 0.4993

Protanomaly

34.9988, 0.4183, 0.4838

Deuteranomaly

34.8259, 0.4346, 0.4664

Tritanomaly

34.6814, 0.3504, 0.3875

Monochromacy



Original Color

35.1270, 0.3966, 0.4993

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.9151, 0.3513, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1270, 0.3966, 0.4993 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(155, 168, 40)` looks like.

```
.text, #text, p{  
    color:rgb(155, 168, 40)  
}
```

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(155, 168, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 168, 40) }
```

Border

The CSS property to change the border of an element to Yxy 35.1270, 0.3966, 0.4993 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(155, 168, 40) }
```

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

```
.border{ border-color:rgb(155, 168, 40) }
```

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

Here you see how a box with a 4 pixel rgb(155, 168, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 168, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 168, 40);  
box-shadow:4px 4px 4px 4px rgb(155, 168,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1270, 0.3966, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 168, 40) }
```

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

```
.background{ background-color: rgb(155,  
168, 40) }
```

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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