

Converting Colors

$Y_{xy}(36.2305, 0.3991, 0.4986)$

Have a look what the booklet for
Yxy(36.2305, 0.3991, 0.4986)
contains.

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Color

Yxy(36.2736, 0.3991, 0.4982)

Conversions

Conversions Part 1

Format	Color
Hex	9FAA28
RGB	159, 170, 40
RGB Percent	62%, 67%, 16%
CMY	0.3764, 0.3333, 0.8431
CMYK	0.06, 0.00, 0.76, 0.33
HSL	65°, 62%, 41%
HSV	65°, 76%, 67%
XYZ	29.0582, 36.2736, 7.4775
YIQ	151.8910, 35.1740, -42.7620

Conversions

Conversions Part 2

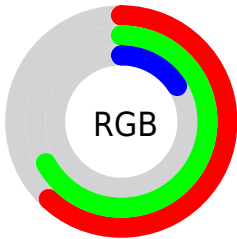
Format	Color
RYB	40, 170, 51
Decimal	10463784
CIELab	66.73, -19.76, 60.73
CIELCh	67, 63.865, 108.019
Yxy	36.2736, 0.3991, 0.4982
Android (android.graphics.Color)	4288653864 (0xFF9FAA28)
YUV	151.8910, -55.1623, 6.2346
Hunter-Lab	60.2276, -19.2768, 34.7982

Details

The Yxy color **36.2736, 0.3991, 0.4982** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1238, 0.1769, 0.0966**, and the grayscale version is **31.5832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4467, 0.3881, 0.4676**, and **15.8999, 0.3994, 0.5211** is the 20% darker color. If you saturate the color by 10%, you get **36.0379, 0.4029, 0.5087**, and if you desaturate by 10%, it is **36.5652, 0.3927, 0.4835**.

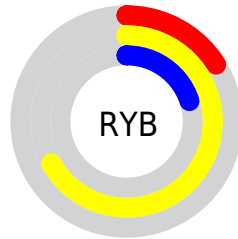
Distribution



Red (62%)

Green (67%)

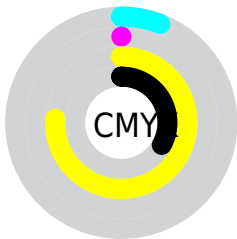
Blue (16%)



Red (16%)

Yellow (67%)

Blue (20%)

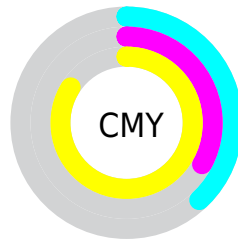


Cyan (6%)

Magenta (0%)

Yellow (76%)

Black (33%)



Cyan (38%)


Magenta (33%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2736, 0.3991, 0.4982 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 36.2736, 0.3991, 0.4982 by changing the saturation by 10% instead.


 36.2736, 0.3991,
0.4982


 36.2736, 0.3991,
0.4982


330.1548, 0.3614,
0.4122

 24.6456, 0.4049,
0.5178


 69.4542, 0.3877,
0.4678

 15.8132, 0.4095,
0.5409


 91.7755, 0.3827,
0.4560

 9.3921, 0.4151,
0.5738


 118.4300, 0.3781,
0.4459

 4.9978, 0.4034,
0.5966

 149.8022, 0.3740,
0.4373

 2.2460, 0.3767,
0.6233

 186.2763, 0.3703,
0.4297

 0.7449, 0.2325,
0.7675

 228.2369, 0.3670,

 0.0000, 0.0000,

0.4231

0.0000

276.0683, 0.3641,
0.4173

■ 36.2736, 0.3991,
0.4982

■ 36.2736, 0.3991,
0.4982

■ 36.0379, 0.4029,
0.5087

■ 36.5652, 0.3927,
0.4835

■ 35.8448, 0.4044,
0.5150

■ 36.9137, 0.3840,
0.4649

■ 35.7811, 0.4047,
0.5169

■ 37.3258, 0.3733,
0.4433

■ 37.8061, 0.3612,
0.4195

■ 38.3587, 0.3481,
0.3945

■ 38.9875, 0.3346,
0.3693

■ 39.6958, 0.3212,
0.3445

■ 40.4871, 0.3082,
0.3207

■ 41.3644, 0.2957,
0.2983

Harmonies

Analogous

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



36.2736, 0.4705, 0.4437



36.2736, 0.3991, 0.4982



36.2736, 0.3106, 0.5017

Triad

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



36.2736, 0.3991, 0.4982



36.2736, 0.1534, 0.2366



36.2736, 0.3892, 0.2523

Complementary

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



36.2736, 0.3991, 0.4982



5.1238, 0.1769, 0.0966

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.



36.2736, 0.2898, 0.2095



36.2736, 0.3991, 0.4982



36.2736, 0.1668, 0.1966

Square

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



36.2736, 0.3991, 0.4982



36.2736, 0.1723, 0.3175



36.2736, 0.2119, 0.1896



36.2736, 0.4732, 0.3106

Rectangle

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



36.2736, 0.3991, 0.4982



36.2736, 0.2529, 0.4589



36.2736, 0.2119, 0.1896



36.2736, 0.3554, 0.2358

Sweetspot

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



36.2753, 0.3991, 0.4982



69.9308, 0.3440, 0.3868



11.0529, 0.5602, 0.3414



15.5093, 0.3487, 0.3957



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.



36.2753, 0.3991, 0.4982



65.1286, 0.4042, 0.5136



31.2914, 0.3360, 0.5422



8.7411, 0.3250, 0.3514



26.3328, 0.4049, 0.5167



0.6498, 0.4100, 0.5127

Inverse Universe

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



5.1238, 0.1769, 0.0966



6.0476, 0.1571, 0.0675



8.1220, 0.2446, 0.1308



7.3297, 0.2999, 0.3058



2.2167, 0.1534, 0.0619



0.0631, 0.1684, 0.0701

Previews

White Background



This preview shows how the Yxy color 36.2736, 0.3991, 0.4982 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 36.2736, 0.3991, 0.4982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

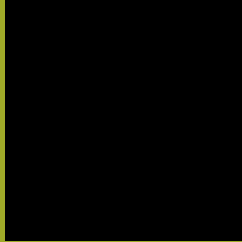
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2736, 0.3991, 0.4982

Background



This preview shows how black text looks on a background with the Yxy color 36.2736, 0.3991, 0.4982.



This preview shows how white text looks on a background with the Yxy color 36.2736, 0.3991, 0.4982.

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

36.2736, 0.3991, 0.4982

Protanopia

36.2794, 0.4300, 0.4766

Deuteranopia

36.0129, 0.4563, 0.4478



Tritanopia

36.0519, 0.3136, 0.3108

Trichromacy



Original Color

36.2736, 0.3991, 0.4982

Protanomaly

36.4176, 0.4185, 0.4845

Deuteranomaly

35.8883, 0.4356, 0.4664

Tritanomaly

35.4862, 0.3533, 0.3866

Monochromacy



Original Color

36.2736, 0.3991, 0.4982

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.9125, 0.3529, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2736, 0.3991, 0.4982 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(159, 170, 40)` looks like.

```
.text, #text, p{  
    color:rgb(159, 170, 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(159, 170, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 170, 40) }
```

Border

The CSS property to change the border of an element to Yxy 36.2736, 0.3991, 0.4982 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(159, 170, 40) }
```

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

```
.border{ border-color:rgb(159, 170, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 170, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 170, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 170, 40);  
box-shadow:4px 4px 4px 4px rgb(159, 170,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2736, 0.3991, 0.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 170, 40) }
```

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

```
.background{ background-color: rgb(159,  
170, 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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