

Converting Colors

$Yxy(36.3097, 0.3883, 0.5046)$

Have a look what the booklet for
Yxy(36.3097, 0.3883, 0.5046)
contains.

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Color

Yxy(36.2515, 0.3885, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	97AC2A
RGB	151, 172, 42
RGB Percent	59%, 67%, 16%
CMY	0.4078, 0.3255, 0.8353
CMYK	0.12, 0.00, 0.76, 0.33
HSL	70°, 61%, 42%
HSV	70°, 76%, 67%
XYZ	27.9328, 36.2515, 7.7148
YIQ	150.9010, 29.2140, -44.8820

Conversions

Conversions Part 2

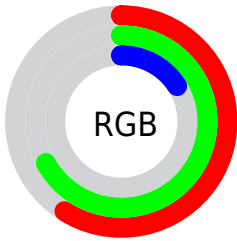
Format	Color
RYB	42, 172, 63
Decimal	9940010
CIELab	66.71, -24.09, 59.85
CIELCh	67, 64.513, 111.926
Yxy	36.2515, 0.3885, 0.5042
Android (android.graphics.Color)	4288130090 (0xFF97AC2A)
YUV	150.9010, -53.6882, 0.0868
Hunter-Lab	60.2092, -22.5549, 34.5495

Details

The Yxy color **36.2515, 0.3885, 0.5042** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.6913, 0.1857, 0.1024**, and the grayscale version is **31.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2299, 0.3791, 0.4713**, and **15.9197, 0.3856, 0.5320** is the 20% darker color. If you saturate the color by 10%, you get **35.8925, 0.3912, 0.5166**, and if you desaturate by 10%, it is **36.6729, 0.3833, 0.4875**.

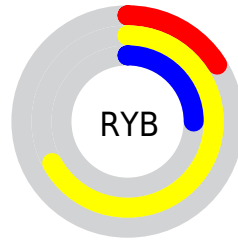
Distribution



Red (59%)

Green (67%)

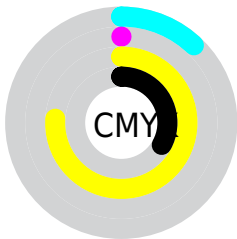
Blue (16%)



Red (16%)

Yellow (67%)

Blue (25%)

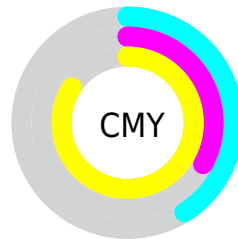


Cyan (12%)

Magenta (0%)

Yellow (76%)

Black (33%)



Cyan (41%)


Magenta (33%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2515, 0.3885, 0.5042 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 36.2515, 0.3885, 0.5042 by changing the saturation by 10% instead.


 36.2515, 0.3885,
0.5042


 36.2515, 0.3885,
0.5042


330.0585, 0.3564,
0.4138

 24.6285, 0.3929,
0.5254


 69.4201, 0.3791,
0.4718


 15.8005, 0.3957,
0.5509


 91.7344, 0.3748,
0.4594

 9.3831, 0.3983,
0.5866


 118.3814, 0.3709,
0.4488

 4.9919, 0.3843,
0.6157

 149.7453, 0.3674,
0.4398

 2.2425, 0.3514,
0.6486

 186.2105, 0.3642,
0.4320

 0.7430, 0.1372,
0.8628

 228.1616, 0.3613,

 0.0000, 0.0000,

0.4251

0.0000

275.9827, 0.3587,
0.4191

■ 36.2515, 0.3885,
0.5042

■ 36.2515, 0.3885,
0.5042

■ 35.8925, 0.3912,
0.5166

■ 36.6729, 0.3833,
0.4875

■ 35.5833, 0.3915,
0.5247

■ 37.1578, 0.3757,
0.4671

■ 35.4553, 0.3912,
0.5276

■ 37.7131, 0.3663,
0.4438

■ 38.3435, 0.3554,
0.4188

■ 39.0533, 0.3437,
0.3931

■ 39.8463, 0.3315,
0.3673

■ 40.7263, 0.3194,
0.3424

■ 41.6965, 0.3076,
0.3187

■ 42.7602, 0.2963,
0.2966

Harmonies

Analogous

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



36.2515, 0.4641, 0.4529



36.2515, 0.3885, 0.5042



36.2515, 0.2986, 0.4981

Triad

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



36.2515, 0.3885, 0.5042



36.2515, 0.1521, 0.2282



36.2515, 0.4029, 0.2585

Complementary

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



36.2515, 0.3885, 0.5042



5.6913, 0.1857, 0.1024

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.



36.2515, 0.3019, 0.2130



36.2515, 0.3885, 0.5042



36.2515, 0.1697, 0.1929

Square

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



36.2515, 0.3885, 0.5042



36.2515, 0.1666, 0.3043



36.2515, 0.2194, 0.1897



36.2515, 0.4823, 0.3186

Rectangle

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



36.2515, 0.3885, 0.5042



36.2515, 0.2418, 0.4482



36.2515, 0.2194, 0.1897



36.2515, 0.3692, 0.2413

Sweetspot

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



36.2532, 0.3885, 0.5042



71.1437, 0.3410, 0.3874



12.3292, 0.5462, 0.3521



15.3569, 0.3453, 0.3965



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.



36.2532, 0.3885, 0.5042



64.7070, 0.3916, 0.5227



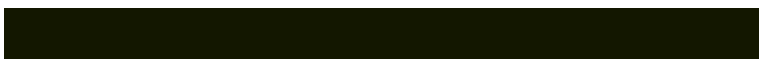
31.7243, 0.3291, 0.5453



9.2637, 0.3239, 0.3516



26.4030, 0.3915, 0.5273



0.7517, 0.4005, 0.5202

Inverse Universe

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



5.6913, 0.1857, 0.1024



6.6728, 0.1635, 0.0716



9.1083, 0.2570, 0.1381



7.8171, 0.3010, 0.3057



2.4145, 0.1578, 0.0643



0.0856, 0.1823, 0.0778

Previews

White Background



This preview shows how the Yxy color 36.2515, 0.3885, 0.5042 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 36.2515, 0.3885, 0.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

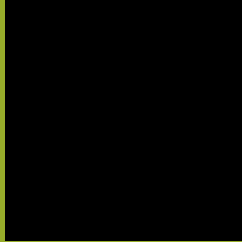
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2515, 0.3885, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 36.2515, 0.3885, 0.5042.



This preview shows how white text looks on a background with the Yxy color 36.2515, 0.3885, 0.5042.

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

36.2515, 0.3885, 0.5042

Protanopia

35.9389, 0.4302, 0.4744

Deuteranopia

36.0380, 0.4548, 0.4458



Tritanopia

36.0513, 0.3051, 0.3105

Trichromacy



Original Color

36.2515, 0.3885, 0.5042

Protanomaly

36.0905, 0.4146, 0.4853

Deuteranomaly

35.8853, 0.4301, 0.4673

Tritanomaly

35.4025, 0.3427, 0.3879

Monochromacy



Original Color

36.2515, 0.3885, 0.5042

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.5233, 0.3487, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2515, 0.3885, 0.5042 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(151, 172, 42)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 42)  
}
```

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(151, 172, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 42) }
```

Border

The CSS property to change the border of an element to Yxy 36.2515, 0.3885, 0.5042 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(151, 172, 42) }
```

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

```
.border{ border-color:rgb(151, 172, 42) }
```

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

Here you see how a box with a 4 pixel rgb(151, 172, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 42);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2515, 0.3885, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 42) }
```

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

```
.background{ background-color: rgb(151,  
172, 42) }
```

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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