

Converting Colors

$Y_{xy}(36.3524, 0.4197, 0.5050)$

Have a look what the booklet for
Yxy(36.3524, 0.4197, 0.5050)
contains.

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Color

Yxy(36.3301, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	A8A800
RGB	168, 168, 0
RGB Percent	66%, 66%, 0%
CMY	0.3413, 0.3411, 1.0000
CMYK	0.00, 0.00, 1.00, 0.34
HSL	60°, 100%, 33%
HSV	60°, 100%, 66%
XYZ	30.1469, 36.3301, 5.4211
YIQ	148.8480, 53.9280, -52.2480

Conversions

Conversions Part 2

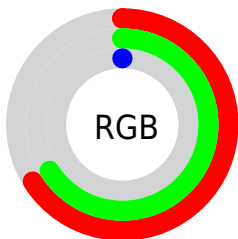
Format	Color
RYB	0, 168, 0
Decimal	11053056
CIELab	66.77, -15.79, 69.13
CIELCh	67, 70.912, 102.863
Yxy	36.3301, 0.4193, 0.5053
Android (android.graphics.Color)	4289243136 (0xFFA8A800)
YUV	148.8480, -73.3821, 16.7963
Hunter-Lab	60.2745, -16.2018, 36.8595

Details

The Yxy color **36.3301, 0.4193, 0.5053** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8279, 0.1500, 0.0600**, and the grayscale version is **30.2849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6280, 0.4062, 0.4764**, and **15.8703, 0.4121, 0.5110** is the 20% darker color. If you saturate the color by 10%, you get **36.3319, 0.4193, 0.5053**, and if you desaturate by 10%, it is **36.3722, 0.4168, 0.5012**.

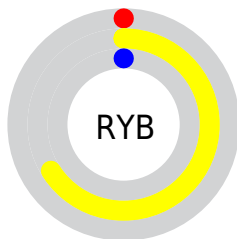
Distribution



Red (66%)

Green (66%)

Blue (0%)



Red (0%)

Yellow (66%)

Blue (0%)

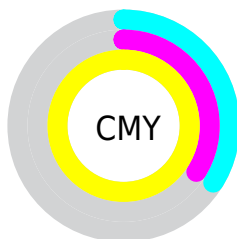


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3301, 0.4193, 0.5053 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 36.3301, 0.4193, 0.5053 by changing the saturation by 10% instead.

 36.3301, 0.4193,
0.5053


 36.3301, 0.4193,
0.5053


330.4011, 0.3738,
0.4194

 24.6892, 0.4256,
0.5228


 69.5413, 0.4060,
0.4763

 15.8457, 0.4303,
0.5422

 91.8804, 0.4000,
0.4646

 9.4150, 0.4337,
0.5663


 118.5543, 0.3944,
0.4545

 5.0129, 0.4208,
0.5792

 149.9476, 0.3894,
0.4456

 2.2548, 0.3998,
0.6002

 186.4445, 0.3849,
0.4378

 0.7496, 0.3038,
0.6962

 228.4294, 0.3808,

 0.0000, 0.0000,

0.4309

0.0000

276.2868, 0.3771,
0.4248

36.3301, 0.4193,
0.5053

36.3301, 0.4193,
0.5053

36.3319, 0.4193,
0.5053

36.3722, 0.4168,
0.5012

36.4460, 0.4124,
0.4939

36.5670, 0.4055,
0.4824

36.7413, 0.3961,
0.4668

36.9742, 0.3845,
0.4477

■ 37.2702, 0.3713,
0.4259

■ 37.6336, 0.3570,
0.4023

■ 38.0679, 0.3422,
0.3777

■ 38.5769, 0.3273,
0.3531

Harmonies

Analogous

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



36.3301, 0.4934, 0.4376



36.3301, 0.4193, 0.5053



36.3301, 0.3245, 0.5278

Triad

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



36.3301, 0.4193, 0.5053



36.3301, 0.1411, 0.2380



36.3301, 0.3775, 0.2357

Complementary

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



36.3301, 0.4193, 0.5053



2.8279, 0.1500, 0.0600

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.



36.3301, 0.2697, 0.1940



36.3301, 0.4193, 0.5053



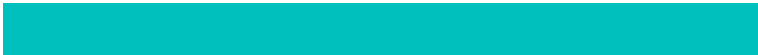
36.3301, 0.1500, 0.1892

Square

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



36.3301, 0.4193, 0.5053



36.3301, 0.1666, 0.3345



36.3301, 0.1918, 0.1772



36.3301, 0.4780, 0.2956

Rectangle

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



36.3301, 0.4193, 0.5053



36.3301, 0.2606, 0.4917



36.3301, 0.1918, 0.1772



36.3301, 0.3398, 0.2193

Sweetspot

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



36.3319, 0.4193, 0.5053



68.2409, 0.3578, 0.4036



8.3262, 0.6401, 0.3300



14.8129, 0.3637, 0.4133



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.



36.3319, 0.4193, 0.5053



65.9188, 0.4193, 0.5053



29.8950, 0.3371, 0.5706



8.7737, 0.3262, 0.3513



27.4320, 0.4193, 0.5053



0.6674, 0.4193, 0.5053

Inverse Universe

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



2.8279, 0.1500, 0.0600



5.1306, 0.1500, 0.0600



4.7127, 0.2030, 0.0892



7.3006, 0.2986, 0.3057



2.1352, 0.1500, 0.0600



0.0520, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 36.3301, 0.4193, 0.5053 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 36.3301, 0.4193, 0.5053 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 36.3301, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 36.3301, 0.4193, 0.5053.

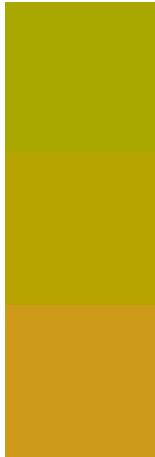


This preview shows how white text looks on a background with the Yxy color 36.3301, 0.4193, 0.5053.

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

36.3301, 0.4193, 0.5053

Protanopia

36.2617, 0.4399, 0.4889

Deuteranopia

36.1605, 0.4671, 0.4576



Tritanopia

36.1878, 0.3243, 0.3125

Trichromacy



Original Color

36.3301, 0.4193, 0.5053

Protanomaly

36.3752, 0.4327, 0.4947

Deuteranomaly

36.0402, 0.4509, 0.4748

Tritanomaly

35.3171, 0.3773, 0.4049

Monochromacy



Original Color

36.3301, 0.4193, 0.5053

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.6711, 0.3698, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3301, 0.4193, 0.5053 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(168, 168, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 36.3301, 0.4193, 0.5053 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(168, 168, 0) }
```

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

```
.border{ border-color:rgb(168, 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(168, 168, 0)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 36.3301, 0.4193, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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