

Converting Colors

$Y_{xy}(33.6494, 0.4193, 0.5053)$

Have a look what the booklet for
Yxy(33.6494, 0.4193, 0.5053)
contains.

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Color

Yxy(33.5220, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	A2A200
RGB	162, 162, 0
RGB Percent	64%, 64%, 0%
CMY	0.3648, 0.3647, 1.0000
CMYK	0.00, 0.00, 1.00, 0.36
HSL	60°, 100%, 32%
HSV	60°, 100%, 64%
XYZ	27.8167, 33.5220, 5.0021
YIQ	143.5320, 52.0020, -50.3820

Conversions

Conversions Part 2

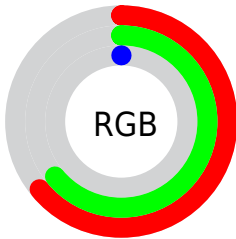
Format	Color
RYB	0, 162, 0
Decimal	10658304
CIELab	64.58, -15.37, 67.30
CIELCh	65, 69.036, 102.863
Yxy	33.5220, 0.4193, 0.5053
Android (android.graphics.Color)	4288848384 (0xFFA2A200)
YUV	143.5320, -70.7613, 16.1964
Hunter-Lab	57.8982, -15.5630, 35.4064

Details

The Yxy color **33.5220, 0.4193, 0.5053** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.6093, 0.1500, 0.0600**, and the grayscale version is **27.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3494, 0.4050, 0.4760**, and **14.4331, 0.4118, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **33.5237, 0.4193, 0.5053**, and if you desaturate by 10%, it is **33.5621, 0.4167, 0.5011**.

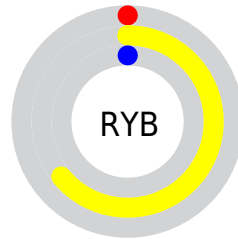
Distribution



Red (64%)

Green (64%)

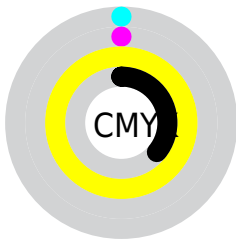
Blue (0%)



Red (0%)

Yellow (64%)

Blue (0%)

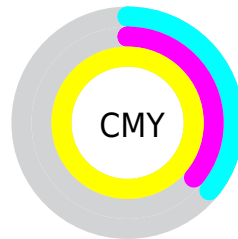


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5220, 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 33.5220, 0.4193, 0.5053 by changing the saturation by 10% instead.


 33.5220, 0.4193,
0.5053


 33.5220, 0.4193,
0.5053


317.9954, 0.3730,
0.4182

 22.5266, 0.4258,
0.5233


 65.1896, 0.4057,
0.4756

 14.2444, 0.4308,
0.5437


 86.6307, 0.3995,
0.4637


 8.2908, 0.4329,
0.5671


 112.3225, 0.3939,
0.4534

 4.2816, 0.4190,
0.5810

 142.6493, 0.3888,
0.4445

 1.8323, 0.3959,
0.6041

 177.9956, 0.3842,
0.4366

 0.5072, 0.1741,
0.8259

 218.7458, 0.3801,

 0.0000, 0.0000,

0.4297

0.0000

265.2843, 0.3764,
0.4236

33.5220, 0.4193,
0.5053

33.5220, 0.4193,
0.5053

33.5237, 0.4193,
0.5053

33.5621, 0.4167,
0.5011

33.6310, 0.4123,
0.4937

33.7433, 0.4053,
0.4821

33.9046, 0.3959,
0.4665

34.1198, 0.3843,
0.4475

■ 34.3929, 0.3712,
0.4257

■ 34.7278, 0.3569,
0.4021

■ 35.1280, 0.3421,
0.3776

■ 35.5966, 0.3272,
0.3530

Harmonies

Analogous

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



33.5220, 0.4934, 0.4376



33.5220, 0.4193, 0.5053



33.5220, 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.



33.5220, 0.4193, 0.5053



33.5220, 0.1411, 0.2380



33.5220, 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.



33.5220, 0.4193, 0.5053



2.6093, 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.



33.5220, 0.2697, 0.1940



33.5220, 0.4193, 0.5053



33.5220, 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.



33.5220, 0.4193, 0.5053



33.5220, 0.1666, 0.3345



33.5220, 0.1918, 0.1772



33.5220, 0.4780, 0.2956

Rectangle

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



33.5220, 0.4193, 0.5053



33.5220, 0.2606, 0.4917



33.5220, 0.1918, 0.1772



33.5220, 0.3398, 0.2193

Sweetspot

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



33.5237, 0.4193, 0.5053



62.9982, 0.3577, 0.4034



7.6826, 0.6401, 0.3300



14.0918, 0.3635, 0.4130



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.5237, 0.4193, 0.5053



60.8502, 0.4193, 0.5053



27.5945, 0.3373, 0.5704



8.2372, 0.3261, 0.3512



26.4066, 0.4193, 0.5053



0.5549, 0.4193, 0.5053

Inverse Universe

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



2.6093, 0.1500, 0.0600



4.7361, 0.1500, 0.0600



4.3587, 0.2033, 0.0894



6.8600, 0.2987, 0.3058



2.0554, 0.1500, 0.0600



0.0432, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 33.5220, 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 33.5220, 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 33.5220, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 33.5220, 0.4193, 0.5053.



This preview shows how white text looks on a background with the Yxy color 33.5220, 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

33.5220, 0.4193, 0.5053

Protanopia

33.4611, 0.4406, 0.4884

Deuteranopia

33.5666, 0.4665, 0.4579



Tritanopia

33.6261, 0.3246, 0.3134

Trichromacy



Original Color

33.5220, 0.4193, 0.5053

Protanomaly

33.5669, 0.4331, 0.4943

Deuteranomaly

33.4600, 0.4499, 0.4756

Tritanomaly

32.8570, 0.3772, 0.4059

Monochromacy



Original Color

33.5220, 0.4193, 0.5053

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.4852, 0.3696, 0.4230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5220, 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(162, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 162, 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(162, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 162, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.5220, 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(162, 162, 0) }
```

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

```
.border{ border-color:rgb(162, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 162,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5220, 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(162, 162, 0) }
```

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

```
.background{ background-color: rgb(162,  
162, 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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