

Converting Colors

$Yxy(33.5953, 0.4231, 0.4841)$

Have a look what the booklet for
Yxy(33.5953, 0.4231, 0.4841)
contains.

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Color

Yxy(33.4578, 0.4232, 0.4838)

Conversions

Conversions Part 1

Format	Color
Hex	AA9F22
RGB	170, 159, 34
RGB Percent	67%, 62%, 13%
CMY	0.3333, 0.3765, 0.8665
CMYK	0.00, 0.06, 0.80, 0.33
HSL	55°, 67%, 40%
HSV	55°, 80%, 67%
XYZ	29.2669, 33.4578, 6.4315
YIQ	148.0390, 46.6810, -36.5430

Conversions

Conversions Part 2

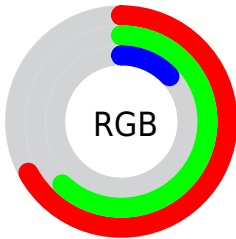
Format	Color
RYB	46, 170, 34
Decimal	11181858
CIELab	64.53, -9.47, 60.95
CIELCh	65, 61.687, 98.835
Yxy	33.4578, 0.4232, 0.4838
Android (android.graphics.Color)	4289371938 (0xFFAA9F22)
YUV	148.0390, -56.2212, 19.2598
Hunter-Lab	57.8427, -10.9083, 33.8974

Details

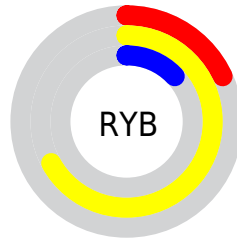
The Yxy color **33.4578, 0.4232, 0.4838** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1244, 0.1686, 0.0975**, and the grayscale version is **29.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8378, 0.4065, 0.4570**, and **14.3025, 0.4284, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **32.9133, 0.4297, 0.4903**, and if you desaturate by 10%, it is **34.0593, 0.4140, 0.4730**.

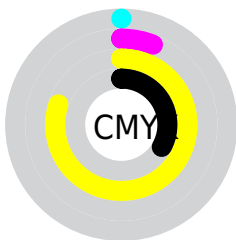
Distribution



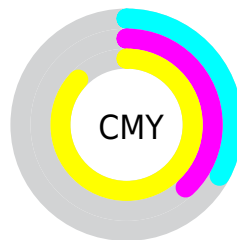
- Red (67%)
- Green (62%)
- Blue (13%)



- Red (18%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (6%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (38%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4578, 0.4232, 0.4838 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 33.4578, 0.4232, 0.4838 by changing the saturation by 10% instead.


 33.4578, 0.4232,
0.4838


 33.4578, 0.4232,
0.4838

317.7076, 0.3721,
0.4071


 22.4774, 0.4323,
0.5001


 65.0896, 0.4069,
0.4574

 14.2081, 0.4410,
0.5184


 86.5098, 0.4000,
0.4469

 8.2655, 0.4541,
0.5459


 112.1787, 0.3938,
0.4379

 4.2653, 0.4457,
0.5543

 142.4807, 0.3884,
0.4300

 1.8231, 0.4317,
0.5683

 177.8002, 0.3836,
0.4232

 0.5015, 0.3285,
0.6715

 218.5216, 0.3794,

 0.0000, 0.0000,

0.4172

0.0000

265.0292, 0.3756,
0.4118

■ 33.4578, 0.4232,
0.4838

■ 33.4578, 0.4232,
0.4838

■ 32.9133, 0.4297,
0.4903

■ 34.0593, 0.4140,
0.4730

■ 32.4071, 0.4341,
0.4935

■ 34.7193, 0.4024,
0.4581

■ 32.4059, 0.4341,
0.4935

■ 35.4449, 0.3890,
0.4399

■ 36.2407, 0.3741,
0.4192

■ 37.1110, 0.3586,
0.3969

■ 38.0598, 0.3429,
0.3740

■ 39.0906, 0.3275,
0.3511

■ 40.2069, 0.3127,
0.3290

■ 41.4119, 0.2988,
0.3078

Harmonies

Analogous

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



33.4578, 0.4845, 0.4230



33.4578, 0.4232, 0.4838



33.4578, 0.3383, 0.5073

Triad

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



33.4578, 0.4232, 0.4838



33.4578, 0.1565, 0.2575



33.4578, 0.3579, 0.2377

Complementary

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



33.4578, 0.4232, 0.4838



5.1244, 0.1686, 0.0975

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.



33.4578, 0.2631, 0.2016



33.4578, 0.4232, 0.4838



33.4578, 0.1603, 0.2058

Square

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



33.4578, 0.4232, 0.4838



33.4578, 0.1862, 0.3497



33.4578, 0.1953, 0.1896



33.4578, 0.4509, 0.2920

Rectangle

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



33.4578, 0.4232, 0.4838



33.4578, 0.2790, 0.4815



33.4578, 0.1953, 0.1896



33.4578, 0.3245, 0.2233

Sweetspot

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



33.4594, 0.4232, 0.4838



68.2590, 0.3499, 0.3842



9.8862, 0.5685, 0.3187



15.0902, 0.3553, 0.3922



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.



33.4594, 0.4232, 0.4838



58.9971, 0.4330, 0.4926



32.4043, 0.3554, 0.5350



8.6683, 0.3264, 0.3496



23.8727, 0.4340, 0.4936



0.6102, 0.4286, 0.4979

Inverse Universe

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



5.1244, 0.1686, 0.0975



6.0674, 0.1531, 0.0680



6.2579, 0.2126, 0.1098



7.3946, 0.2986, 0.3076



2.3974, 0.1518, 0.0666



0.0878, 0.1597, 0.0949

Previews

White Background



This preview shows how the Yxy color 33.4578, 0.4232, 0.4838 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 33.4578, 0.4232, 0.4838 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 33.4578, 0.4232, 0.4838

Background



This preview shows how black text looks on a background with the Yxy color 33.4578, 0.4232, 0.4838.



This preview shows how white text looks on a background with the Yxy color 33.4578, 0.4232, 0.4838.

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

33.4578, 0.4232, 0.4838

Protanopia

33.4539, 0.4320, 0.4780

Deuteranopia

33.5117, 0.4599, 0.4514



Tritanopia

33.3016, 0.3331, 0.3123

Trichromacy



Original Color

33.4578, 0.4232, 0.4838

Protanomaly

33.5622, 0.4288, 0.4804

Deuteranomaly

33.4808, 0.4462, 0.4636

Tritanomaly

32.9015, 0.3756, 0.3842

Monochromacy



Original Color

33.4578, 0.4232, 0.4838

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5859, 0.3605, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4578, 0.4232, 0.4838 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(170, 159, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 159, 34)  
}
```

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(170, 159, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 34) }
```

Border

The CSS property to change the border of an element to Yxy 33.4578, 0.4232, 0.4838 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(170, 159, 34) }
```

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

```
.border{ border-color:rgb(170, 159, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 159, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4578, 0.4232, 0.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 159, 34) }
```

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

```
.background{ background-color: rgb(170,  
159, 34) }
```

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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