

Converting Colors

$Yxy(33.5201, 0.4048, 0.4904)$

Have a look what the booklet for
Yxy(33.5201, 0.4048, 0.4904)
contains.

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Color

Yxy(33.3788, 0.4053, 0.4895)

Conversions

Conversions Part 1

Format	Color
Hex	9FA22A
RGB	159, 162, 42
RGB Percent	62%, 64%, 16%
CMY	0.3764, 0.3647, 0.8354
CMYK	0.02, 0.00, 0.74, 0.36
HSL	61°, 59%, 40%
HSV	61°, 74%, 64%
XYZ	27.6372, 33.3788, 7.1735
YIQ	147.4230, 36.7320, -37.9560

Conversions

Conversions Part 2

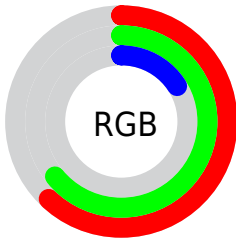
Format	Color
RYB	42, 162, 45
Decimal	10461738
CIELab	64.47, -15.59, 57.96
CIELCh	64, 60.018, 105.054
Yxy	33.3788, 0.4053, 0.4895
Android (android.graphics.Color)	4288651818 (0xFF9FA22A)
YUV	147.4230, -51.9735, 10.1530
Hunter-Lab	57.7744, -15.7171, 33.0803

Details

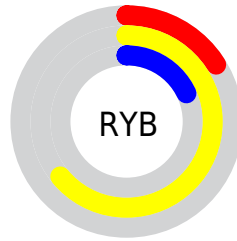
The Yxy color **33.3788, 0.4053, 0.4895** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.8198, 0.1759, 0.1006**, and the grayscale version is **29.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0877, 0.3912, 0.4605**, and **14.3119, 0.4088, 0.5136** is the 20% darker color. If you saturate the color by 10%, you get **33.2457, 0.4108, 0.4999**, and if you desaturate by 10%, it is **33.5620, 0.3973, 0.4750**.

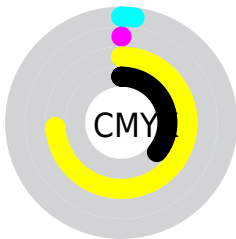
Distribution



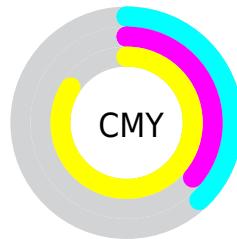
- Red (62%)
- Green (64%)
- Blue (16%)



- Red (16%)
- Yellow (64%)
- Blue (18%)



- Cyan (2%)
- Magenta (0%)
- Yellow (74%)
- Black (36%)




- Cyan (38%)
- Magenta (36%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3788, 0.4053, 0.4895 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 33.3788, 0.4053, 0.4895 by changing the saturation by 10% instead.


 33.3788, 0.4053,
0.4895


 33.3788, 0.4053,
0.4895


317.3532, 0.3631,
0.4074

 22.4168, 0.4125,
0.5083


 64.9665, 0.3920,
0.4603


 14.1635, 0.4190,
0.5304


 86.3609, 0.3863,
0.4491

 8.2344, 0.4289,
0.5641


 112.0017, 0.3812,
0.4395

 4.2453, 0.4178,
0.5822

 142.2731, 0.3767,
0.4312

 1.8117, 0.3942,
0.6058

 177.5595, 0.3727,
0.4241

 0.4945, 0.1532,
0.8468

 218.2454, 0.3691,

 0.0000, 0.0000,

0.4178

0.0000

264.7152, 0.3660,
0.4123

■ 33.3788, 0.4053,
0.4895

■ 33.3788, 0.4053,
0.4895

■ 33.2457, 0.4108,
0.4999

■ 33.5620, 0.3973,
0.4750

■ 33.1520, 0.4139,
0.5061

■ 33.7957, 0.3870,
0.4568

■ 33.1068, 0.4150,
0.5087

■ 34.0859, 0.3748,
0.4356

■ 34.4365, 0.3614,
0.4123

■ 34.8510, 0.3472,
0.3878

■ 35.3329, 0.3327,
0.3631

■ 35.8850, 0.3184,
0.3387

■ 36.5105, 0.3047,
0.3153

■ 37.2118, 0.2916,
0.2932

Harmonies

Analogous

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



33.3788, 0.4715, 0.4351



33.3788, 0.4053, 0.4895



33.3788, 0.3200, 0.4983

Triad

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



33.3788, 0.4053, 0.4895



33.3788, 0.1580, 0.2457



33.3788, 0.3772, 0.2496

Complementary

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



33.3788, 0.4053, 0.4895



4.8198, 0.1759, 0.1006

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.



33.3788, 0.2820, 0.2098



33.3788, 0.4053, 0.4895



33.3788, 0.1680, 0.2027

Square

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



33.3788, 0.4053, 0.4895



33.3788, 0.1802, 0.3281



33.3788, 0.2091, 0.1928



33.3788, 0.4617, 0.3056

Rectangle

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



33.3788, 0.4053, 0.4895



33.3788, 0.2632, 0.4620



33.3788, 0.2091, 0.1928



33.3788, 0.3445, 0.2341

Sweetspot

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



33.3803, 0.4053, 0.4895



63.4054, 0.3448, 0.3837



9.6479, 0.5581, 0.3320



14.1935, 0.3485, 0.3900



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.



33.3803, 0.4053, 0.4895



60.2336, 0.4131, 0.5044



28.7171, 0.3439, 0.5312



8.2282, 0.3258, 0.3512



26.0844, 0.4151, 0.5086



0.5507, 0.4167, 0.5073

Inverse Universe

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



4.8198, 0.1759, 0.1006



5.6064, 0.1565, 0.0695



7.2050, 0.2368, 0.1306



6.8680, 0.2990, 0.3058



2.0785, 0.1510, 0.0606



0.0461, 0.1559, 0.0632

Previews

White Background



This preview shows how the Yxy color 33.3788, 0.4053, 0.4895 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 33.3788, 0.4053, 0.4895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

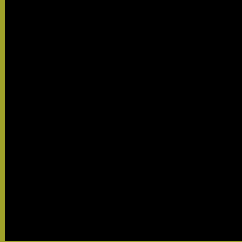
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3788, 0.4053, 0.4895

Background



This preview shows how black text looks on a background with the Yxy color 33.3788, 0.4053, 0.4895.



This preview shows how white text looks on a background with the Yxy color 33.3788, 0.4053, 0.4895.

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

33.3788, 0.4053, 0.4895

Protanopia

33.3880, 0.4276, 0.4737

Deuteranopia

33.1290, 0.4554, 0.4451



Tritanopia

33.2126, 0.3196, 0.3118

Trichromacy



Original Color

33.3788, 0.4053, 0.4895

Protanomaly

33.3914, 0.4192, 0.4801

Deuteranomaly

33.0470, 0.4377, 0.4605

Tritanomaly

32.7739, 0.3575, 0.3833

Monochromacy



Original Color

33.3788, 0.4053, 0.4895

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1399, 0.3531, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3788, 0.4053, 0.4895 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, 162, 42)` looks like.

```
.text, #text, p{  
    color:rgb(159, 162, 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(159, 162, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 162, 42) }
```

Border

The CSS property to change the border of an element to Yxy 33.3788, 0.4053, 0.4895 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, 162, 42) }
```

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

```
.border{ border-color:rgb(159, 162, 42) }
```

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

Here you see how a box with a 4 pixel rgb(159, 162, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 162, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 162, 42);  
box-shadow:4px 4px 4px 4px rgb(159, 162,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3788, 0.4053, 0.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 162, 42) }
```

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

```
.background{ background-color: rgb(159,  
162, 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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