

Converting Colors

$Yxy(33.5228, 0.4225, 0.5027)$

Have a look what the booklet for
Yxy(33.5228, 0.4225, 0.5027)
contains.

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Color

Yxy(33.3823, 0.4225, 0.5027)

Conversions

Conversions Part 1

Format	Color
Hex	A4A100
RGB	164, 161, 0
RGB Percent	64%, 63%, 0%
CMY	0.3568, 0.3686, 0.9996
CMYK	0.00, 0.02, 1.00, 0.36
HSL	59°, 100%, 32%
HSV	59°, 100%, 64%
XYZ	28.0565, 33.3823, 4.9672
YIQ	143.5430, 53.4690, -49.4350

Conversions

Conversions Part 2

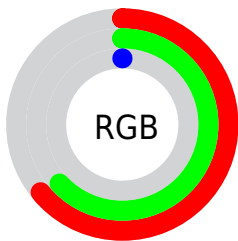
Format	Color
RYB	3, 164, 0
Decimal	10789120
CIELab	64.47, -13.93, 67.28
CIELCh	64, 68.705, 101.701
Yxy	33.3823, 0.4225, 0.5027
Android (android.graphics.Color)	4288979200 (0xFFA4A100)
YUV	143.5430, -70.7667, 17.9408
Hunter-Lab	57.7774, -14.4314, 35.3470

Details

The Yxy color **33.3823, 0.4225, 0.5027** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7488, 0.1504, 0.0614**, and the grayscale version is **27.9761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7969, 0.4087, 0.4729**, and **14.3400, 0.4163, 0.5076** is the 20% darker color. If you saturate the color by 10%, you get **33.3830, 0.4225, 0.5027**, and if you desaturate by 10%, it is **33.5279, 0.4196, 0.4987**.

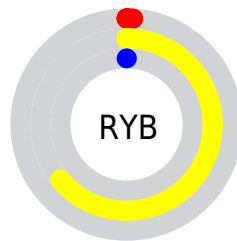
Distribution



Red (64%)

Green (63%)

Blue (0%)



Red (1%)

Yellow (64%)

Blue (0%)

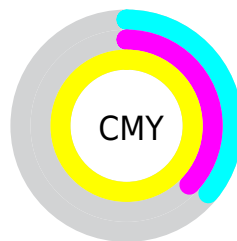


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3823, 0.4225, 0.5027 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 33.3823, 0.4225, 0.5027 by changing the saturation by 10% instead.


 33.3823, 0.4225,
0.5027


 33.3823, 0.4225,
0.5027


317.3689, 0.3744,
0.4173


 22.4195, 0.4295,
0.5202


 64.9719, 0.4082,
0.4738

 14.1654, 0.4351,
0.5398


 86.3675, 0.4018,
0.4621

 8.2358, 0.4380,
0.5620

 112.0095, 0.3959,
0.4520

 4.2462, 0.4254,
0.5746

 142.2823, 0.3907,
0.4432

 1.8122, 0.4044,
0.5956

 177.5702, 0.3860,
0.4354

 0.4948, 0.2082,
0.7918

 218.2577, 0.3817,

 0.0000, 0.0000,

0.4286

0.0000

264.7291, 0.3779,
0.4226

33.3823, 0.4225,
0.5027

33.3823, 0.4225,
0.5027

33.3830, 0.4225,
0.5027

33.5279, 0.4196,
0.4987

33.7038, 0.4146,
0.4915

33.9246, 0.4072,
0.4800

34.1963, 0.3973,
0.4646

34.5235, 0.3853,
0.4457

■ 34.9107, 0.3718,
0.4241

■ 35.3618, 0.3572,
0.4008

■ 35.8802, 0.3422,
0.3766

■ 36.4694, 0.3272,
0.3524

Harmonies

Analogous

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



33.3823, 0.4950, 0.4346



33.3823, 0.4225, 0.5027



33.3823, 0.3283, 0.5278

Triad

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



33.3823, 0.4225, 0.5027



33.3823, 0.1418, 0.2412



33.3823, 0.3730, 0.2340

Complementary

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



33.3823, 0.4225, 0.5027



2.7488, 0.1504, 0.0614

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.



33.3823, 0.2662, 0.1932



33.3823, 0.4225, 0.5027



33.3823, 0.1495, 0.1907

Square

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



33.3823, 0.4225, 0.5027



33.3823, 0.1688, 0.3391



33.3823, 0.1898, 0.1775



33.3823, 0.4744, 0.2932

Rectangle

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



33.3823, 0.4225, 0.5027



33.3823, 0.2644, 0.4944



33.3823, 0.1898, 0.1775



33.3823, 0.3355, 0.2179

Sweetspot

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



33.3839, 0.4225, 0.5027



64.1254, 0.3581, 0.4023



7.9078, 0.6359, 0.3277



13.9452, 0.3640, 0.4117



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.



33.3839, 0.4225, 0.5027



60.5528, 0.4226, 0.5027



28.6055, 0.3419, 0.5667



8.2149, 0.3262, 0.3508



25.6015, 0.4225, 0.5027



0.5445, 0.4212, 0.5037

Inverse Universe

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



2.7488, 0.1504, 0.0614



4.9506, 0.1503, 0.0610



4.2437, 0.1969, 0.0859



6.8798, 0.2987, 0.3062



2.1130, 0.1504, 0.0615



0.0503, 0.1524, 0.0688

Previews

White Background



This preview shows how the Yxy color 33.3823, 0.4225, 0.5027 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 33.3823, 0.4225, 0.5027 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 33.3823, 0.4225, 0.5027

Background



This preview shows how black text looks on a background with the Yxy color 33.3823, 0.4225, 0.5027.



This preview shows how white text looks on a background with the Yxy color 33.3823, 0.4225, 0.5027.

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

33.3823, 0.4225, 0.5027

Protanopia

33.3440, 0.4396, 0.4892

Deuteranopia

33.1161, 0.4668, 0.4576



Tritanopia

33.3846, 0.3267, 0.3134

Trichromacy



Original Color

33.3823, 0.4225, 0.5027

Protanomaly

33.2244, 0.4342, 0.4934

Deuteranomaly

33.1312, 0.4511, 0.4746

Tritanomaly

32.6166, 0.3797, 0.4057

Monochromacy



Original Color

33.3823, 0.4225, 0.5027

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1647, 0.3701, 0.4216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3823, 0.4225, 0.5027 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(164, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 161, 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(164, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.3823, 0.4225, 0.5027 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(164, 161, 0) }
```

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

```
.border{ border-color:rgb(164, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3823, 0.4225, 0.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 161, 0) }
```

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

```
.background{ background-color: rgb(164,  
161, 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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