

Converting Colors

Yxy(33.9228, 0.4226, 0.4665)

Have a look what the booklet for
Yxy(33.9228, 0.4226, 0.4665)
contains.

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Color

Yxy(33.9228, 0.4226, 0.4665)

Conversions

Conversions Part 1

Format	Color
Hex	B09E33
RGB	176, 158, 51
RGB Percent	69%, 62%, 20%
CMY	0.3098, 0.3804, 0.7998
CMYK	0.00, 0.10, 0.71, 0.31
HSL	51°, 55%, 45%
HSV	51°, 71%, 69%
XYZ	30.7305, 33.9228, 8.0644
YIQ	151.1840, 45.0750, -29.4610

Conversions

Conversions Part 2

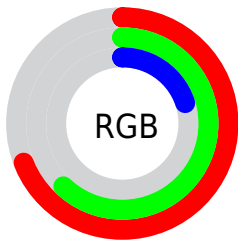
Format	Color
RYB	72, 176, 51
Decimal	11574835
CIELab	64.90, -5.54, 55.49
CIElCh	65, 55.769, 95.700
Yxy	33.9228, 0.4226, 0.4665
Android (android.graphics.Color)	4289764915 (0xFFB09E33)
YUV	151.1840, -49.3907, 21.7636
Hunter-Lab	58.2433, -7.7450, 32.5610

Details

The Yxy color **33.9228, 0.4226, 0.4665** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.1014, 0.1844, 0.1318**, and the grayscale version is **31.2344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5789, 0.4048, 0.4427**, and **14.5085, 0.4389, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **32.9411, 0.4335, 0.4762**, and if you desaturate by 10%, it is **34.9843, 0.4094, 0.4527**.

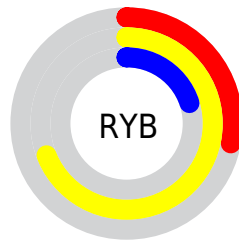
Distribution



Red (69%)

Green (62%)

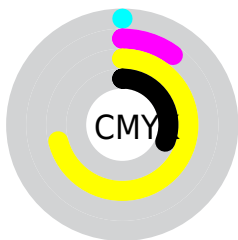
Blue (20%)



Red (28%)

Yellow (69%)

Blue (20%)

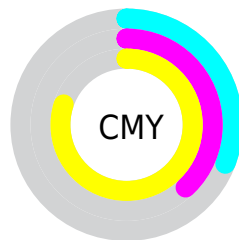


Cyan (0%)

Magenta (10%)

Yellow (71%)

Black (31%)



Cyan (31%)


Magenta (38%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9228, 0.4226, 0.4665 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 33.9228, 0.4226, 0.4665 by changing the saturation by 10% instead.

 33.9228, 0.4226,
0.4665


 33.9228, 0.4226,
0.4665


319.7877, 0.3700,
0.3982

 22.8343, 0.4332,
0.4815


 65.8136, 0.4050,
0.4428


 14.4712, 0.4445,
0.4986


 87.3847, 0.3978,
0.4334


 8.4491, 0.4587,
0.5211


 113.2188, 0.3916,
0.4254

 4.3836, 0.4634,
0.5366

 143.7002, 0.3861,
0.4185

 1.8904, 0.4556,
0.5444

 179.2134, 0.3813,
0.4124

 0.5426, 0.4122,
0.5878

 220.1428, 0.3771,

 0.0000, 0.0000,

0.4071

0.0000

266.8728, 0.3733,
0.4024

■ 33.9228, 0.4226,
0.4665

■ 33.9228, 0.4226,
0.4665

■ 32.9411, 0.4335,
0.4762

■ 34.9843, 0.4094,
0.4527

■ 32.0273, 0.4416,
0.4814

■ 36.1269, 0.3943,
0.4356

■ 31.2509, 0.4471,
0.4832

■ 37.3574, 0.3782,
0.4160

■ 38.6807, 0.3616,
0.3950

■ 40.1012, 0.3452,
0.3734

■ 41.6229, 0.3292,
0.3519

■ 43.2496, 0.3142,
0.3310

■ 44.9848, 0.3001,
0.3112

■ 46.8320, 0.2872,
0.2927

Harmonies

Analogous

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



33.9228, 0.4735, 0.4115



33.9228, 0.4226, 0.4665



33.9228, 0.3466, 0.4893

Triad

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



33.9228, 0.4226, 0.4665



33.9228, 0.1707, 0.2726



33.9228, 0.3446, 0.2410

Complementary

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



33.9228, 0.4226, 0.4665



8.1014, 0.1844, 0.1318

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.



33.9228, 0.2602, 0.2095



33.9228, 0.4226, 0.4665



33.9228, 0.1707, 0.2202

Square

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



33.9228, 0.4226, 0.4665



33.9228, 0.2026, 0.3586



33.9228, 0.2005, 0.2012



33.9228, 0.4298, 0.2903

Rectangle

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



33.9228, 0.4226, 0.4665



33.9228, 0.2920, 0.4700



33.9228, 0.2005, 0.2012



33.9228, 0.3147, 0.2282

Sweetspot

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



33.9244, 0.4226, 0.4665



72.6278, 0.3458, 0.3742



12.0414, 0.5144, 0.3068



15.5863, 0.3502, 0.3800



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.9244, 0.4226, 0.4665



58.8164, 0.4383, 0.4796



36.2192, 0.3634, 0.5125



9.6938, 0.3267, 0.3483



22.9935, 0.4468, 0.4835



0.7803, 0.4380, 0.4904

Inverse Universe

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



8.1014, 0.1844, 0.1318



9.5356, 0.1637, 0.0938



7.9271, 0.2159, 0.1248



8.4212, 0.2985, 0.3089



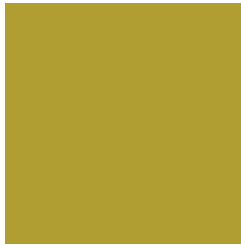
2.8754, 0.1537, 0.0732



0.1521, 0.1649, 0.1136

Previews

White Background



This preview shows how the Yxy color 33.9228, 0.4226, 0.4665 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 33.9228, 0.4226, 0.4665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

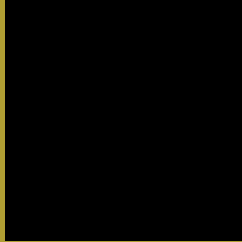
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9228, 0.4226, 0.4665

Background



This preview shows how black text looks on a background with the Yxy color 33.9228, 0.4226, 0.4665.



This preview shows how white text looks on a background with the Yxy color 33.9228, 0.4226, 0.4665.

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

33.9228, 0.4226, 0.4665

Protanopia

33.9228, 0.4226, 0.4665

Deuteranopia

33.9494, 0.4507, 0.4422



Tritanopia

33.9973, 0.3404, 0.3140

Trichromacy



Original Color

33.9228, 0.4226, 0.4665

Protanomaly

33.9228, 0.4226, 0.4665

Deuteranomaly

33.8583, 0.4400, 0.4512

Tritanomaly

33.7576, 0.3761, 0.3744

Monochromacy



Original Color

33.9228, 0.4226, 0.4665

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.8226, 0.3563, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9228, 0.4226, 0.4665 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(176, 158, 51)` looks like.

```
.text, #text, p{  
    color:rgb(176, 158, 51)  
}
```

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(176, 158, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 158, 51) }
```

Border

The CSS property to change the border of an element to Yxy 33.9228, 0.4226, 0.4665 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(176, 158, 51) }
```

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

```
.border{ border-color:rgb(176, 158, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 158, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 158, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 158, 51);  
box-shadow:4px 4px 4px 4px rgb(176, 158,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9228, 0.4226, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 158, 51) }
```

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

```
.background{ background-color: rgb(176,  
158, 51) }
```

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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