

Converting Colors

$Y_{xy}(21.4340, 0.3499, 0.6201)$

Have a look what the booklet for
Yxy(21.4340, 0.3499, 0.6201)
contains.

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Color

Yxy(21.7867, 0.3333, 0.5735)

Conversions

Conversions Part 1

Format	Color
Hex	449200
RGB	68, 146, 0
RGB Percent	27%, 57%, 0%
CMY	0.7334, 0.4274, 0.9996
CMYK	0.53, 0.00, 1.00, 0.43
HSL	92°, 100%, 29%
HSV	92°, 100%, 57%
XYZ	12.6617, 21.7867, 3.5406
YIQ	106.0340, 0.3780, -61.9420

Conversions

Conversions Part 2

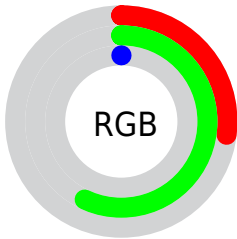
Format	Color
RYB	0, 146, 78
Decimal	4493824
CIELab	53.80, -45.50, 56.51
CIELCh	54, 72.550, 128.841
Yxy	21.7867, 0.3333, 0.5735
Android (android.graphics.Color)	4282683904 (0xFF449200)
YUV	106.0340, -52.2748, -33.3558
Hunter-Lab	46.6762, -33.2622, 28.1760

Details

The Yxy color **21.7867, 0.3333, 0.5735** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.7033, 0.2111, 0.0937**, and the grayscale version is **14.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5629, 0.3380, 0.5174**, and **8.0054, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.7854, 0.3333, 0.5736**, and if you desaturate by 10%, it is **22.1207, 0.3378, 0.5606**.

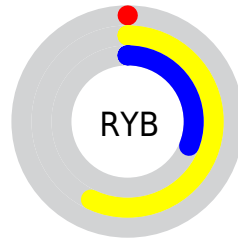
Distribution



Red (27%)

Green (57%)

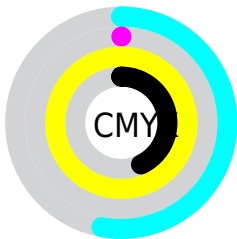
Blue (0%)



Red (0%)

Yellow (57%)

Blue (31%)

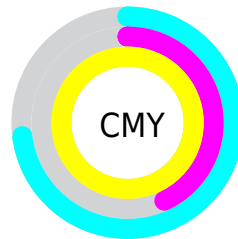


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (73%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7867, 0.3333, 0.5735 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 21.7867, 0.3333, 0.5735 by changing the saturation by 10% instead.


 21.7867, 0.3333,
0.5735


 21.7867, 0.3333,
0.5735


261.4303, 0.3336,
0.4308


 13.7003, 0.3254,
0.6130


 46.3932, 0.3381,
0.5176


 7.9125, 0.3141,
0.6753


 63.6821, 0.3382,
0.4976


 4.0390, 0.2738,
0.7262

 84.8072, 0.3378,
0.4813

 1.6954, 0.1676,
0.8324

 110.1529, 0.3371,
0.4677

 0.4207, 0.0000,
1.0000

 140.1037, 0.3362,
0.4563

 0.0000, 0.0000,
0.0000

 175.0440, 0.3353,


0.4465


 215.3580, 0.3344,
0.4381


 21.7867, 0.3333,
0.5735


 21.7867, 0.3333,
0.5735


 21.7854, 0.3333,
0.5736

 22.1207, 0.3378,
0.5606

 22.5156, 0.3410,
0.5435

 22.9851, 0.3422,
0.5214

 23.5345, 0.3414,
0.4953

 24.1688, 0.3389,
0.4667

■ 24.8922, 0.3350,
0.4372

■ 25.7089, 0.3301,
0.4079

■ 26.6226, 0.3246,
0.3797

■ 27.6368, 0.3187,
0.3532

Harmonies

Analogous

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



21.7867, 0.4419, 0.5207



21.7867, 0.3333, 0.5735



21.7867, 0.2254, 0.5091

Triad

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



21.7867, 0.3333, 0.5735



21.7867, 0.1231, 0.1702



21.7867, 0.4988, 0.2764

Complementary

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



21.7867, 0.3333, 0.5735



3.7033, 0.2111, 0.0937

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.



21.7867, 0.3707, 0.2122



21.7867, 0.3333, 0.5735



21.7867, 0.1635, 0.1542

Square

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



21.7867, 0.3333, 0.5735



21.7867, 0.1168, 0.2294



21.7867, 0.2456, 0.1693



21.7867, 0.5580, 0.3503

Rectangle

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



21.7867, 0.3333, 0.5735



21.7867, 0.1685, 0.4057



21.7867, 0.2456, 0.1693



21.7867, 0.4604, 0.2534

Sweetspot

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



21.7876, 0.3333, 0.5735



45.2467, 0.3305, 0.4098



11.5489, 0.5283, 0.4186



9.9422, 0.3324, 0.4207



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.7876, 0.3333, 0.5735



38.3300, 0.3319, 0.5747



20.5710, 0.2992, 0.5971



6.5927, 0.3182, 0.3514



19.1827, 0.3336, 0.5733



0.2520, 0.3683, 0.5457

Inverse Universe

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



3.7033, 0.2111, 0.0937



6.4234, 0.2091, 0.0926



8.0411, 0.3293, 0.1588



5.7765, 0.3068, 0.3067



3.2682, 0.2115, 0.0939



0.0576, 0.2591, 0.1201

Previews

White Background



This preview shows how the Yxy color 21.7867, 0.3333, 0.5735 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7867, 0.3333, 0.5735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

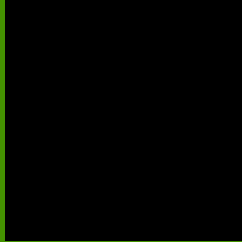
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7867, 0.3333, 0.5735

Background



This preview shows how black text looks on a background with the Yxy color 21.7867, 0.3333, 0.5735.



This preview shows how white text looks on a background with the Yxy color 21.7867, 0.3333, 0.5735.

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

21.7867, 0.3333, 0.5735

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.3455, 0.4601, 0.4511



Tritanopia

21.8387, 0.2566, 0.3081

Trichromacy



Original Color

21.7867, 0.3333, 0.5735

Protanomaly

21.0409, 0.3954, 0.5243

Deuteranomaly

20.5243, 0.4104, 0.4998

Tritanomaly

21.3136, 0.2957, 0.4260

Monochromacy



Original Color

21.7867, 0.3333, 0.5735

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.3553, 0.3366, 0.4488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7867, 0.3333, 0.5735 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(68, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 146, 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(68, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7867, 0.3333, 0.5735 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(68, 146, 0) }
```

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

```
.border{ border-color:rgb(68, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 146, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7867, 0.3333, 0.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 146, 0) }
```

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

```
.background{ background-color: rgb(68, 146,  
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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