

Converting Colors

$Y_{xy}(21.6083, 0.3152, 0.4986)$

Have a look what the booklet for
Yxy(21.6083, 0.3152, 0.4986)
contains.

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Color

Yxy(21.4886, 0.3156, 0.4989)

Conversions

Conversions Part 1

Format	Color
Hex	4B8F3E
RGB	75, 143, 62
RGB Percent	29%, 56%, 24%
CMY	0.7059, 0.4392, 0.7568
CMYK	0.48, 0.00, 0.57, 0.44
HSL	110°, 40%, 40%
HSV	110°, 57%, 56%
XYZ	13.5935, 21.4886, 7.9898
YIQ	113.4340, -14.5270, -39.6070

Conversions

Conversions Part 2

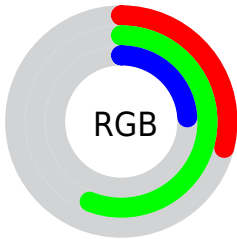
Format	Color
RYB	62, 143, 130
Decimal	4951870
CIELab	53.48, -38.01, 36.06
CIElCh	53, 52.392, 136.504
Yxy	21.4886, 0.3156, 0.4989
Android (android.graphics.Color)	4283141950 (0xFF4B8F3E)
YUV	113.4340, -25.3570, -33.7066
Hunter-Lab	46.3558, -28.7788, 22.2299

Details

The Yxy color **21.4886, 0.3156, 0.4989** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.1769, 0.2988, 0.1914**, and the grayscale version is **16.7299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7695, 0.3188, 0.4568**, and **7.7910, 0.3035, 0.5757** is the 20% darker color. If you saturate the color by 10%, you get **20.9133, 0.3142, 0.5300**, and if you desaturate by 10%, it is **22.1984, 0.3162, 0.4658**.

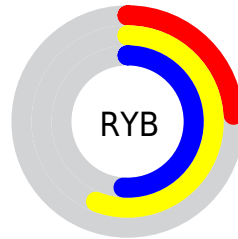
Distribution



Red (29%)

Green (56%)

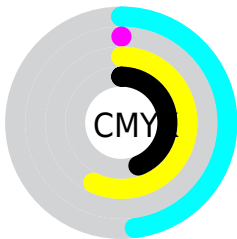
Blue (24%)



Red (24%)

Yellow (56%)

Blue (51%)

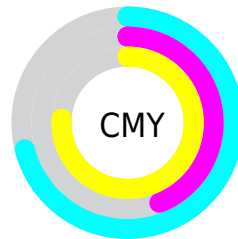


Cyan (48%)

Magenta (0%)

Yellow (57%)

Black (44%)



Cyan (71%)


Magenta (44%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4886, 0.3156, 0.4989 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 21.4886, 0.3156, 0.4989 by changing the saturation by 10% instead.


 21.4886, 0.3156,
0.4989


 21.4886, 0.3156,
0.4989


259.8639, 0.3186,
0.3975

 13.4816, 0.3117,
0.5308


 45.8993, 0.3185,
0.4574


 7.7610, 0.3037,
0.5757


 63.0718, 0.3189,
0.4433

 3.9424, 0.2922,
0.6563

 84.0683, 0.3191,
0.4319

 1.6414, 0.2301,
0.7699

 109.2731, 0.3191,
0.4226

 0.3853, 0.0000,
1.0000

 139.0707, 0.3190,
0.4148

 0.0000, 0.0000,
0.0000

 173.8454, 0.3189,

0.4081

213.9817, 0.3187,
0.4025

■ 21.4886, 0.3156,
0.4989

■ 21.4886, 0.3156,
0.4989

■ 20.9133, 0.3142,
0.5300

■ 22.1984, 0.3162,
0.4658

■ 20.4613, 0.3121,
0.5569

■ 23.0478, 0.3162,
0.4327

■ 20.1241, 0.3093,
0.5776

■ 24.0447, 0.3157,
0.4010

■ 19.8890, 0.3063,
0.5915

■ 25.1958, 0.3148,
0.3717

■ 19.8272, 0.3056,
0.5955

■ 26.5073, 0.3136,
0.3451

■ 27.9850, 0.3123,
0.3213

■ 29.6345, 0.3109,
0.3004

■ 31.4612, 0.3095,
0.2821

■ 33.4701, 0.3081,
0.2662

Harmonies

Analogous

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



21.4886, 0.4020, 0.4929



21.4886, 0.3156, 0.4989



21.4886, 0.2330, 0.4289

Triad

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



21.4886, 0.3156, 0.4989



21.4886, 0.1680, 0.2004



21.4886, 0.4664, 0.3082

Complementary

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



21.4886, 0.3156, 0.4989



10.1769, 0.2988, 0.1914

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.



21.4886, 0.3826, 0.2512



21.4886, 0.3156, 0.4989



21.4886, 0.2109, 0.1918

Square

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



21.4886, 0.3156, 0.4989



21.4886, 0.1564, 0.2418



21.4886, 0.2859, 0.2102



21.4886, 0.4982, 0.3727

Rectangle

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



21.4886, 0.3156, 0.4989



21.4886, 0.1918, 0.3578



21.4886, 0.2859, 0.2102



21.4886, 0.4427, 0.2880

Sweetspot

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



21.4895, 0.3156, 0.4989



44.9611, 0.3148, 0.3737



22.0216, 0.4032, 0.4414



10.2235, 0.3150, 0.3787



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.



21.4895, 0.3156, 0.4989



37.2022, 0.3137, 0.5380



21.3918, 0.2844, 0.4469



6.0683, 0.3139, 0.3515



17.5367, 0.3058, 0.5954



0.1740, 0.3271, 0.5785

Inverse Universe

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



10.1769, 0.2988, 0.1914



14.8296, 0.2940, 0.1666



10.5474, 0.3645, 0.2372



5.4679, 0.3113, 0.3071



5.2963, 0.2817, 0.1325



0.0582, 0.3020, 0.1437

Previews

White Background



This preview shows how the Yxy color 21.4886, 0.3156, 0.4989 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 21.4886, 0.3156, 0.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

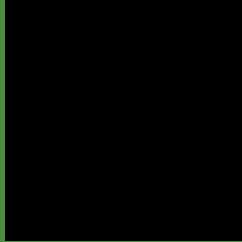
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4886, 0.3156, 0.4989

Background



This preview shows how black text looks on a background with the Yxy color 21.4886, 0.3156, 0.4989.



This preview shows how white text looks on a background with the Yxy color 21.4886, 0.3156, 0.4989.

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

21.4886, 0.3156, 0.4989

Protanopia

21.1369, 0.4076, 0.4461

Deuteranopia

21.1600, 0.4220, 0.4136



Tritanopia

21.3187, 0.2593, 0.3080

Trichromacy



Original Color

21.4886, 0.3156, 0.4989

Protanomaly

20.8727, 0.3696, 0.4671

Deuteranomaly

20.6059, 0.3790, 0.4441

Tritanomaly

21.0604, 0.2804, 0.3741

Monochromacy



Original Color

21.4886, 0.3156, 0.4989

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.8761, 0.3157, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4886, 0.3156, 0.4989 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(75, 143, 62)` looks like.

```
.text, #text, p{  
    color:rgb(75, 143, 62)  
}
```

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(75, 143, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 143, 62) }
```

Border

The CSS property to change the border of an element to Yxy 21.4886, 0.3156, 0.4989 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(75, 143, 62) }
```

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

```
.border{ border-color:rgb(75, 143, 62) }
```

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

Here you see how a box with a 4 pixel rgb(75, 143, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 143, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 143, 62);  
box-shadow:4px 4px 4px 4px rgb(75, 143,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4886, 0.3156, 0.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 143, 62) }
```

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

```
.background{ background-color: rgb(75, 143,  
62) }
```

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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