

Converting Colors

$Y_{xy}(19.4871, 0.3430, 0.4556)$

Have a look what the booklet for
Yxy(19.4871, 0.3430, 0.4556)
contains.

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Color

Yxy(19.4871, 0.3430, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	668345
RGB	102, 131, 69
RGB Percent	40%, 51%, 27%
CMY	0.5999, 0.4863, 0.7295
CMYK	0.22, 0.00, 0.47, 0.49
HSL	88°, 31%, 39%
HSV	88°, 47%, 51%
XYZ	14.6709, 19.4871, 8.6144
YIQ	115.2610, 2.6180, -25.4300

Conversions

Conversions Part 2

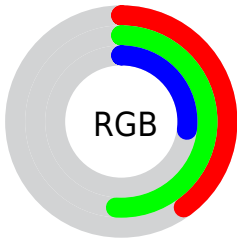
Format	Color
RYB	69, 131, 98
Decimal	6718277
CIELab	51.25, -21.67, 30.09
CIELCh	51, 37.084, 125.757
Yxy	19.4871, 0.3430, 0.4556
Android (android.graphics.Color)	4284908357 (0xFF668345)
YUV	115.2610, -22.8067, -11.6299
Hunter-Lab	44.1442, -17.9295, 19.3310

Details

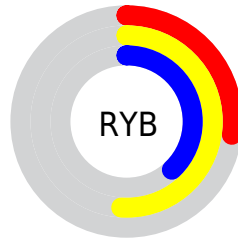
The Yxy color **19.4871, 0.3430, 0.4556** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.4865, 0.2664, 0.2008**, and the grayscale version is **17.2986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4829, 0.3375, 0.4242**, and **6.6997, 0.3486, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **18.9983, 0.3470, 0.4833**, and if you desaturate by 10%, it is **20.0400, 0.3377, 0.4272**.

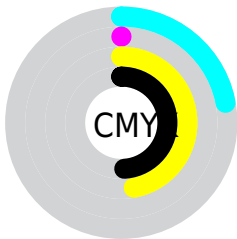
Distribution



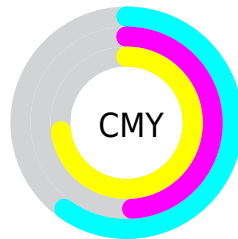
- Red (40%)
- Green (51%)
- Blue (27%)



- Red (27%)
- Yellow (51%)
- Blue (38%)



- Cyan (22%)
- Magenta (0%)
- Yellow (47%)
- Black (49%)



- Cyan (60%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4871, 0.3430, 0.4556 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 19.4871, 0.3430, 0.4556 by changing the saturation by 10% instead.


 19.4871, 0.3430,
0.4556


 19.4871, 0.3430,
0.4556


249.1248, 0.3282,
0.3806


 12.0228, 0.3457,
0.4791


 42.5556, 0.3381,
0.4250

 6.7592, 0.3476,
0.5125


 58.9285, 0.3360,
0.4146

 3.3120, 0.3509,
0.5703

 79.0398, 0.3343,
0.4062

 1.2967, 0.3356,
0.6644

 103.2738, 0.3327,
0.3992

 0.1386, 0.0000,
1.0000

 132.0149, 0.3314,
0.3934

 0.0000, 0.0000,
0.0000

165.6475, 0.3302,

0.3885

204.5560, 0.3291,
0.3843

■ 19.4871, 0.3430,
0.4556

■ 19.4871, 0.3430,
0.4556

■ 18.9983, 0.3470,
0.4833

■ 20.0400, 0.3377,
0.4272

■ 18.5679, 0.3492,
0.5089

■ 20.6571, 0.3315,
0.3990

■ 18.1937, 0.3495,
0.5312


■ 21.3418, 0.3248,
0.3719


■ 17.8719, 0.3476,
0.5490

■ 22.0965, 0.3178,
0.3465

■ 17.5955, 0.3440,
0.5624


■ 22.9234, 0.3109,
0.3230

 17.5269, 0.3431,
0.5658

 23.8246, 0.3041,
0.3015

 24.8023, 0.2976,
0.2820

 25.8583, 0.2914,
0.2645

 26.9945, 0.2857,
0.2488

Harmonies

Analogous

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



19.4871, 0.4047, 0.4426



19.4871, 0.3430, 0.4556



19.4871, 0.2766, 0.4221

Triad

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



19.4871, 0.3430, 0.4556



19.4871, 0.1946, 0.2407



19.4871, 0.4066, 0.2986

Complementary

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



19.4871, 0.3430, 0.4556



8.4865, 0.2664, 0.2008

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.



19.4871, 0.3393, 0.2564



19.4871, 0.3430, 0.4556



19.4871, 0.2204, 0.2231

Square

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



19.4871, 0.3430, 0.4556



19.4871, 0.1952, 0.2853



19.4871, 0.2709, 0.2296



19.4871, 0.4464, 0.3492

Rectangle

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



19.4871, 0.3430, 0.4556



19.4871, 0.2387, 0.3781



19.4871, 0.2709, 0.2296



19.4871, 0.3859, 0.2832

Sweetspot

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



19.4880, 0.3430, 0.4556



38.6136, 0.3227, 0.3641



13.9754, 0.4074, 0.3849



8.9326, 0.3240, 0.3689



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.4880, 0.3430, 0.4556



33.9424, 0.3473, 0.4859



18.0034, 0.3081, 0.4704



5.3178, 0.3191, 0.3509



17.2541, 0.3431, 0.5658



0.0641, 0.3760, 0.5396

Inverse Universe

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



8.4865, 0.2664, 0.2008



11.6809, 0.2521, 0.1697



10.5540, 0.3146, 0.2175



4.6433, 0.3059, 0.3070



2.5978, 0.1990, 0.0870



0.0133, 0.2481, 0.1140

Previews

White Background



This preview shows how the Yxy color 19.4871, 0.3430, 0.4556 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 19.4871, 0.3430, 0.4556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

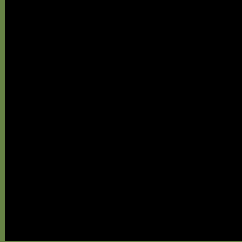
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4871, 0.3430, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 19.4871, 0.3430, 0.4556.



This preview shows how white text looks on a background with the Yxy color 19.4871, 0.3430, 0.4556.

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

19.4871, 0.3430, 0.4556

Protanopia

19.3807, 0.3940, 0.4296

Deuteranopia

19.2677, 0.4103, 0.4021



Tritanopia

19.5160, 0.2870, 0.3100

Trichromacy



Original Color

19.4871, 0.3430, 0.4556

Protanomaly

19.2101, 0.3743, 0.4392

Deuteranomaly

18.9679, 0.3841, 0.4195

Tritanomaly

19.4927, 0.3088, 0.3629

Monochromacy



Original Color

19.4871, 0.3430, 0.4556

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.8716, 0.3255, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4871, 0.3430, 0.4556 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(102, 131, 69)` looks like.

```
.text, #text, p{  
    color:rgb(102, 131, 69)  
}
```

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(102, 131, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 131, 69) }
```

Border

The CSS property to change the border of an element to Yxy 19.4871, 0.3430, 0.4556 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(102, 131, 69) }
```

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

```
.border{ border-color:rgb(102, 131, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 131, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 131, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 131, 69);  
box-shadow:4px 4px 4px 4px rgb(102, 131,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4871, 0.3430, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 131, 69) }
```

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

```
.background{ background-color: rgb(102,  
131, 69) }
```

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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