

Converting Colors

$Y_{xy}(20.5767, 0.3444, 0.4577)$

Have a look what the booklet for
Yxy(20.5767, 0.3444, 0.4577)
contains.

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Color

$\text{Yxy}(20.4956, 0.3443, 0.4566)$

Conversions

Conversions Part 1

Format	Color
Hex	698646
RGB	105, 134, 70
RGB Percent	41%, 53%, 27%
CMY	0.5883, 0.4745, 0.7255
CMYK	0.22, 0.00, 0.48, 0.47
HSL	87°, 31%, 40%
HSV	87°, 48%, 53%
XYZ	15.4547, 20.4956, 8.9371
YIQ	118.0330, 3.2600, -26.0520

Conversions

Conversions Part 2

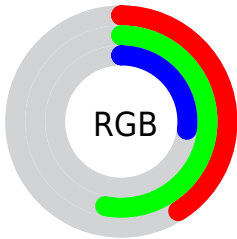
Format	Color
RYB	70, 134, 99
Decimal	6915654
CIELab	52.39, -21.89, 31.00
CIELCh	52, 37.952, 125.229
Yxy	20.4956, 0.3443, 0.4566
Android (android.graphics.Color)	4285105734 (0xFF698646)
YUV	118.0330, -23.6803, -11.4299
Hunter-Lab	45.2721, -18.2907, 19.9861

Details

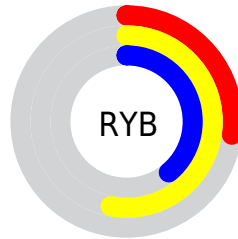
The Yxy color **20.4956, 0.3443, 0.4566** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.7576, 0.2644, 0.1989**, and the grayscale version is **18.2019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1658, 0.3395, 0.4252**, and **7.2433, 0.3503, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **19.9908, 0.3484, 0.4840**, and if you desaturate by 10%, it is **21.0663, 0.3388, 0.4283**.

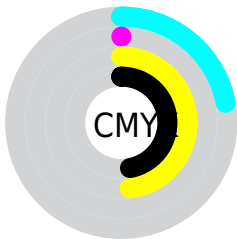
Distribution



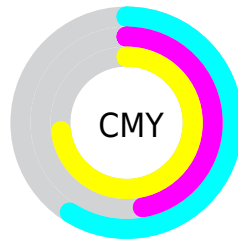
- Red (41%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (39%)



- Cyan (22%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)




- Cyan (59%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4956, 0.3443, 0.4566 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 20.4956, 0.3443, 0.4566 by changing the saturation by 10% instead.


 20.4956, 0.3443,
0.4566


 20.4956, 0.3443,
0.4566


254.5856, 0.3289,
0.3816


 12.7558, 0.3471,
0.4798


 44.2465, 0.3392,
0.4262


 7.2606, 0.3492,
0.5124


 61.0265, 0.3371,
0.4158


 3.6256, 0.3513,
0.5657

 81.5886, 0.3353,
0.4073

 1.4664, 0.3442,
0.6558

 106.3173, 0.3336,
0.4004

 0.2649, 0.0000,
1.0000

 135.5969, 0.3322,
0.3946

 0.0000, 0.0000,
0.0000

169.8119, 0.3310,

0.3896

209.3467, 0.3299,
0.3853

■ 20.4956, 0.3443,
0.4566

■ 20.4956, 0.3443,
0.4566

■ 19.9908, 0.3484,
0.4840

■ 21.0663, 0.3388,
0.4283

■ 19.5461, 0.3508,
0.5093

■ 21.7030, 0.3324,
0.4002

■ 19.1589, 0.3511,
0.5312

■ 22.4093, 0.3255,
0.3731

■ 18.8255, 0.3493,
0.5485

■ 23.1876, 0.3183,
0.3475

■ 18.5381, 0.3457,
0.5615

■ 24.0403, 0.3111,
0.3239

 18.4775, 0.3449,
0.5644

 24.9696, 0.3041,
0.3022

 25.9775, 0.2974,
0.2826

 27.0662, 0.2910,
0.2649

 28.2376, 0.2851,
0.2491

Harmonies

Analogous

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



20.4956, 0.4061, 0.4427



20.4956, 0.3443, 0.4566



20.4956, 0.2774, 0.4238

Triad

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



20.4956, 0.3443, 0.4566



20.4956, 0.1937, 0.2407



20.4956, 0.4061, 0.2976

Complementary

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



20.4956, 0.3443, 0.4566



8.7576, 0.2644, 0.1989

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.



20.4956, 0.3382, 0.2554



20.4956, 0.3443, 0.4566



20.4956, 0.2192, 0.2226

Square

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



20.4956, 0.3443, 0.4566



20.4956, 0.1948, 0.2861



20.4956, 0.2696, 0.2288



20.4956, 0.4469, 0.3483

Rectangle

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



20.4956, 0.3443, 0.4566



20.4956, 0.2391, 0.3798



20.4956, 0.2696, 0.2288



20.4956, 0.3852, 0.2822

Sweetspot

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



20.4965, 0.3443, 0.4566



39.9369, 0.3230, 0.3641



14.3986, 0.4097, 0.3835



8.9414, 0.3243, 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.



20.4965, 0.3443, 0.4566



35.1764, 0.3486, 0.4853



18.9191, 0.3090, 0.4717



5.3208, 0.3193, 0.3509



17.3206, 0.3451, 0.5642



0.0643, 0.3775, 0.5384

Inverse Universe

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



8.7576, 0.2644, 0.1989



11.9552, 0.2504, 0.1689



10.9128, 0.3129, 0.2158



4.6403, 0.3057, 0.3070



2.5424, 0.1965, 0.0856



0.0131, 0.2458, 0.1128

Previews

White Background



This preview shows how the Yxy color 20.4956, 0.3443, 0.4566 looks on a white background.

Color Contrast Check

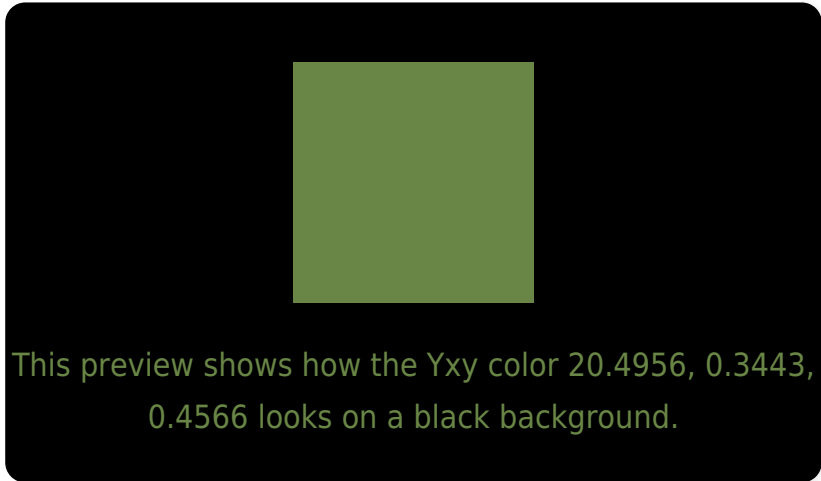
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

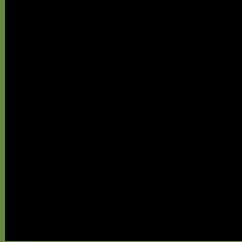
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4956, 0.3443, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 20.4956, 0.3443, 0.4566.



This preview shows how white text looks on a background with the Yxy color 20.4956, 0.3443, 0.4566.

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

20.4956, 0.3443, 0.4566

Protanopia

20.3908, 0.3944, 0.4309

Deuteranopia

20.2674, 0.4105, 0.4040



Tritanopia

20.5623, 0.2875, 0.3104

Trichromacy



Original Color

20.4956, 0.3443, 0.4566

Protanomaly

20.2157, 0.3752, 0.4404

Deuteranomaly

19.9647, 0.3848, 0.4212

Tritanomaly

20.5370, 0.3089, 0.3621

Monochromacy



Original Color

20.4956, 0.3443, 0.4566

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.8656, 0.3252, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4956, 0.3443, 0.4566 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(105, 134, 70)` looks like.

```
.text, #text, p{  
    color:rgb(105, 134, 70)  
}
```

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(105, 134, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 134, 70) }
```

Border

The CSS property to change the border of an element to Yxy 20.4956, 0.3443, 0.4566 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(105, 134, 70) }
```

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

```
.border{ border-color:rgb(105, 134, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 134, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 134, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 134, 70);  
box-shadow:4px 4px 4px 4px rgb(105, 134,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4956, 0.3443, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 134, 70) }
```

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

```
.background{ background-color: rgb(105,  
134, 70) }
```

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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