

Converting Colors

$Yxy(22.5504, 0.3161, 0.4807)$

Have a look what the booklet for
Yxy(22.5504, 0.3161, 0.4807)
contains.

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Color

Yxy(22.5447, 0.3162, 0.4806)

Conversions

Conversions Part 1

Format	Color
Hex	539147
RGB	83, 145, 71
RGB Percent	33%, 57%, 28%
CMY	0.6744, 0.4314, 0.7215
CMYK	0.43, 0.00, 0.51, 0.43
HSL	110°, 34%, 42%
HSV	110°, 51%, 57%
XYZ	14.8328, 22.5447, 9.5320
YIQ	118.0260, -13.1980, -36.1580

Conversions

Conversions Part 2

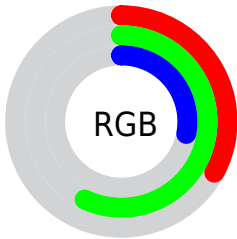
Format	Color
R_{YB}	71, 145, 133
Decimal	5476679
CIE _{Lab}	54.60, -35.12, 32.92
CIE _{LCh}	55, 48.135, 136.851
Yxy	22.5447, 0.3162, 0.4806
Android (android.graphics.Color)	4283666759 (0xFF539147)
YUV	118.0260, -23.1838, -30.7178
Hunter-Lab	47.4813, -27.3302, 21.3342

Details

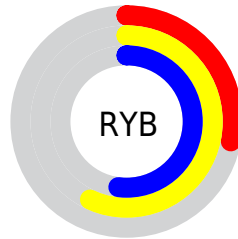
The Yxy color **22.5447, 0.3162, 0.4806** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.5353, 0.3005, 0.2035**, and the grayscale version is **18.2058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4616, 0.3182, 0.4438**, and **8.3285, 0.3076, 0.5492** is the 20% darker color. If you saturate the color by 10%, you get **21.8761, 0.3153, 0.5130**, and if you desaturate by 10%, it is **23.3564, 0.3164, 0.4473**.

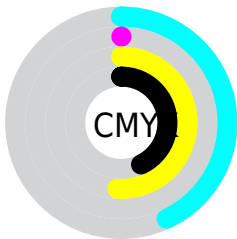
Distribution



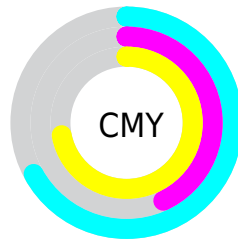
- Red (33%)
- Green (57%)
- Blue (28%)



- Red (28%)
- Yellow (57%)
- Blue (52%)



- Cyan (43%)
- Magenta (0%)
- Yellow (51%)
- Black (43%)




- Cyan (67%)
- Magenta (43%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5447, 0.3162, 0.4806 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 22.5447, 0.3162, 0.4806 by changing the saturation by 10% instead.


 22.5447, 0.3162,
0.4806


 22.5447, 0.3162,
0.4806


265.3778, 0.3179,
0.3910


 14.2577, 0.3135,
0.5086


 47.6446, 0.3182,
0.4441

 8.3001, 0.3077,
0.5482


 65.2263, 0.3184,
0.4316


 4.2876, 0.2959,
0.6097

 86.6751, 0.3185,
0.4216

 1.8357, 0.2700,
0.7300

 112.3752, 0.3184,
0.4133

 0.5093, 0.0000,
1.0000

 142.7111, 0.3183,
0.4063

 0.0000, 0.0000,
0.0000

178.0673, 0.3182,

0.4004

218.8280, 0.3180,
0.3954

■ 22.5447, 0.3162,
0.4806

■ 22.5447, 0.3162,
0.4806

■ 21.8761, 0.3153,
0.5130

■ 23.3564, 0.3164,
0.4473

■ 21.3394, 0.3135,
0.5425

■ 24.3159, 0.3161,
0.4148

■ 20.9265, 0.3111,
0.5669

■ 25.4312, 0.3153,
0.3843

■ 20.6271, 0.3081,
0.5845

■ 26.7088, 0.3142,
0.3564

■ 20.4389, 0.3057,
0.5955

■ 28.1550, 0.3129,
0.3314

■ 29.7756, 0.3114,
0.3093

■ 31.5761, 0.3100,
0.2898

■ 33.5620, 0.3086,
0.2728

■ 35.7383, 0.3072,
0.2580

Harmonies

Analogous

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



22.5447, 0.3956, 0.4791



22.5447, 0.3162, 0.4806



22.5447, 0.2402, 0.4173

Triad

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



22.5447, 0.3162, 0.4806



22.5447, 0.1795, 0.2108



22.5447, 0.4525, 0.3119

Complementary

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



22.5447, 0.3162, 0.4806



11.5353, 0.3005, 0.2035

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.



22.5447, 0.3774, 0.2584



22.5447, 0.3162, 0.4806



22.5447, 0.2201, 0.2025

Square

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



22.5447, 0.3162, 0.4806



22.5447, 0.1684, 0.2498



22.5447, 0.2898, 0.2197



22.5447, 0.4816, 0.3723

Rectangle

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



22.5447, 0.3162, 0.4806



22.5447, 0.2019, 0.3547



22.5447, 0.2898, 0.2197



22.5447, 0.4312, 0.2929

Sweetspot

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



22.5457, 0.3162, 0.4806



46.8173, 0.3147, 0.3680



23.1580, 0.3945, 0.4318



10.3199, 0.3149, 0.3733



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.



22.5457, 0.3162, 0.4806



39.0467, 0.3151, 0.5169



22.4281, 0.2862, 0.4331



6.0689, 0.3139, 0.3515



17.5402, 0.3060, 0.5953



0.1741, 0.3275, 0.5782

Inverse Universe

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



11.5353, 0.3005, 0.2035



17.0483, 0.2964, 0.1795



11.8911, 0.3576, 0.2452



5.4673, 0.3113, 0.3071



5.2755, 0.2811, 0.1322



0.0581, 0.3017, 0.1436

Previews

White Background



This preview shows how the Yxy color 22.5447, 0.3162, 0.4806 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 22.5447, 0.3162, 0.4806 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 22.5447, 0.3162, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 22.5447, 0.3162, 0.4806.



This preview shows how white text looks on a background with the Yxy color 22.5447, 0.3162, 0.4806.

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

22.5447, 0.3162, 0.4806

Protanopia

22.2879, 0.4003, 0.4359

Deuteranopia

22.2062, 0.4130, 0.4056



Tritanopia

22.5708, 0.2628, 0.3085

Trichromacy



Original Color

22.5447, 0.3162, 0.4806

Protanomaly

21.8829, 0.3666, 0.4524

Deuteranomaly

21.8222, 0.3742, 0.4333

Tritanomaly

22.3875, 0.2828, 0.3685

Monochromacy



Original Color

22.5447, 0.3162, 0.4806

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.3812, 0.3148, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5447, 0.3162, 0.4806 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(83, 145, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 145, 71)  
}
```

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(83, 145, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 145, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.5447, 0.3162, 0.4806 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(83, 145, 71) }
```

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

```
.border{ border-color:rgb(83, 145, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 145, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 145, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 145, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 145,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5447, 0.3162, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 145, 71) }
```

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

```
.background{ background-color: rgb(83, 145,  
71) }
```

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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