

Converting Colors

$Y_{xy}(22.1554, 0.3113, 0.4592)$

Have a look what the booklet for
Yxy(22.1554, 0.3113, 0.4592)
contains.

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Color

Yxy(22.1554, 0.3113, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	558F50
RGB	85, 143, 80
RGB Percent	33%, 56%, 31%
CMY	0.6665, 0.4392, 0.6863
CMYK	0.41, 0.00, 0.44, 0.44
HSL	115°, 28%, 44%
HSV	115°, 44%, 56%
XYZ	15.0195, 22.1554, 11.0729
YIQ	118.4760, -14.3450, -31.8890

Conversions

Conversions Part 2

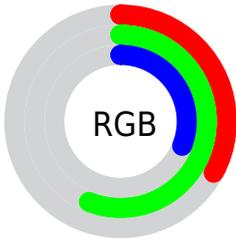
Format	Color
R_{YB}	80, 143, 138
Decimal	5607248
CIE _{Lab}	54.19, -32.23, 27.67
CIE _{LCh}	54, 42.477, 139.358
Yxy	22.1554, 0.3113, 0.4592
Android (android.graphics.Color)	4283797328 (0xFF558F50)
YUV	118.4760, -18.9687, -29.3585
Hunter-Lab	47.0695, -25.4136, 19.0010

Details

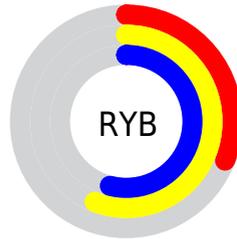
The Yxy color **22.1554, 0.3113, 0.4592** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.1183, 0.3103, 0.2225**, and the grayscale version is **18.3414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9475, 0.3140, 0.4276**, and **8.0874, 0.3038, 0.5195** is the 20% darker color. If you saturate the color by 10%, you get **21.4071, 0.3102, 0.4933**, and if you desaturate by 10%, it is **23.0650, 0.3121, 0.4256**.

Distribution



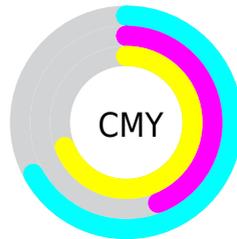
- Red (33%)
- Green (56%)
- Blue (31%)



- Red (31%)
- Yellow (56%)
- Blue (54%)



- Cyan (41%)
- Magenta (0%)
- Yellow (44%)
- Black (44%)



- Cyan (67%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1554, 0.3113, 0.4592 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 22.1554, 0.3113, 0.4592 by changing the saturation by 10% instead.

■ 22.1554, 0.3113,
0.4592

■ 22.1554, 0.3113,
0.4592

■ 263.3567, 0.3147,
0.3821

■ 13.9711, 0.3087,
0.4836

■ 47.0027, 0.3136,
0.4277

■ 8.1006, 0.3037,
0.5185

■ 64.4345, 0.3141,
0.4170

■ 4.1594, 0.2931,
0.5719

■ 85.7177, 0.3144,
0.4084

■ 1.7631, 0.2861,
0.7139

■ 111.2365, 0.3145,
0.4012

■ 0.4640, 0.0000,
1.0000

■ 141.3754, 0.3146,
0.3953

■ 0.0000, 0.0000,
0.0000

176.5188, 0.3147,

0.3903

217.0512, 0.3147,
0.3859

■ 22.1554, 0.3113,
0.4592

■ 22.1554, 0.3113,
0.4592

■ 21.4071, 0.3102,
0.4933

■ 23.0650, 0.3121,
0.4256

■ 20.8082, 0.3087,
0.5258

■ 24.1416, 0.3125,
0.3938

■ 20.3492, 0.3069,
0.5544

■ 25.3940, 0.3127,
0.3647

■ 20.0189, 0.3049,
0.5768

■ 26.8297, 0.3128,
0.3387

■ 19.8037, 0.3030,
0.5915

■ 28.4556, 0.3126,
0.3157

 19.7182, 0.3023,
0.5982

 30.2782, 0.3124,
0.2957

 32.3039, 0.3121,
0.2783

 34.5387, 0.3117,
0.2632

 36.9883, 0.3114,
0.2502

Harmonies

Analogous

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



22.1554, 0.3832, 0.4652



22.1554, 0.3113, 0.4592



22.1554, 0.2436, 0.4001

Triad

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



22.1554, 0.3113, 0.4592



22.1554, 0.1940, 0.2209



22.1554, 0.4408, 0.3193

Complementary

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



22.1554, 0.3113, 0.4592



13.1183, 0.3103, 0.2225

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.



22.1554, 0.3770, 0.2692



22.1554, 0.3113, 0.4592



22.1554, 0.2339, 0.2147

Square

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



22.1554, 0.3113, 0.4592



22.1554, 0.1817, 0.2548



22.1554, 0.2990, 0.2322



22.1554, 0.4636, 0.3751

Rectangle

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



22.1554, 0.3113, 0.4592



22.1554, 0.2100, 0.3456



22.1554, 0.2990, 0.2322



22.1554, 0.4231, 0.3016

Sweetspot

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



22.1563, 0.3113, 0.4592



45.6688, 0.3128, 0.3626



24.5226, 0.3795, 0.4263



10.3618, 0.3127, 0.3681



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.



22.1563, 0.3113, 0.4592



38.3316, 0.3102, 0.4935



22.3948, 0.2845, 0.4047



6.0488, 0.3128, 0.3516



17.4399, 0.3025, 0.5980



0.1700, 0.3141, 0.5888

Inverse Universe

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



13.1183, 0.3103, 0.2225



19.9412, 0.3091, 0.2005



12.8542, 0.3581, 0.2647



5.4894, 0.3125, 0.3072



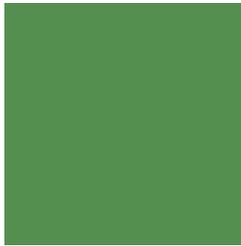
6.0622, 0.3014, 0.1434



0.0622, 0.3117, 0.1491

Previews

White Background



This preview shows how the Yxy color 22.1554, 0.3113, 0.4592 looks on a white background.

Color Contrast Check

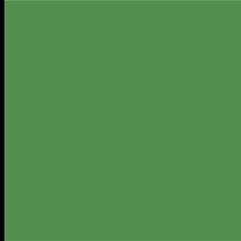
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1554, 0.3113, 0.4592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

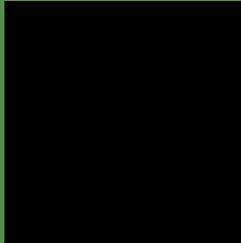
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1554, 0.3113, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 22.1554, 0.3113, 0.4592.



This preview shows how white text looks on a background with the Yxy color 22.1554, 0.3113, 0.4592.

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

22.1554, 0.3113, 0.4592

Protanopia

21.8712, 0.3882, 0.4223

Deuteranopia

21.7904, 0.3996, 0.3915



Tritanopia

21.9999, 0.2648, 0.3084

Trichromacy



Original Color

22.1554, 0.3113, 0.4592

Protanomaly

21.6510, 0.3574, 0.4359

Deuteranomaly

21.3356, 0.3648, 0.4151

Tritanomaly

21.9093, 0.2817, 0.3606

Monochromacy



Original Color

22.1554, 0.3113, 0.4592

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.2424, 0.3129, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1554, 0.3113, 0.4592 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(85, 143, 80)` looks like.

```
.text, #text, p{  
    color:rgb(85, 143, 80)  
}
```

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(85, 143, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 143, 80) }
```

Border

The CSS property to change the border of an element to Yxy 22.1554, 0.3113, 0.4592 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(85, 143, 80) }
```

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

```
.border{ border-color:rgb(85, 143, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 143, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 143, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 143, 80);  
box-shadow:4px 4px 4px 4px rgb(85, 143,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1554, 0.3113, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 143, 80) }
```

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

```
.background{ background-color: rgb(85, 143,  
80) }
```

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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