

Converting Colors

$Y_{xy}(22.2088, 0.3236, 0.4744)$

Have a look what the booklet for
Yxy(22.2088, 0.3236, 0.4744)
contains.

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Color

Yxy(22.2735, 0.3235, 0.4748)

Conversions

Conversions Part 1

Format	Color
Hex	5A8F47
RGB	90, 143, 71
RGB Percent	35%, 56%, 28%
CMY	0.6471, 0.4392, 0.7215
CMYK	0.37, 0.00, 0.50, 0.44
HSL	104°, 34%, 42%
HSV	104°, 50%, 56%
XYZ	15.1758, 22.2735, 9.4620
YIQ	118.9450, -8.4760, -33.6280

Conversions

Conversions Part 2

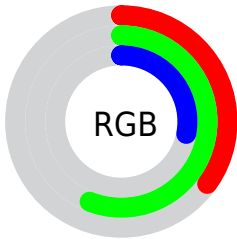
Format	Color
R_{YB}	71, 143, 124
Decimal	5934919
CIE _{Lab}	54.32, -31.83, 32.65
CIE _{LCh}	54, 45.598, 134.277
Yxy	22.2735, 0.3235, 0.4748
Android (android.graphics.Color)	4284124999 (0xFF5A8F47)
YUV	118.9450, -23.6369, -25.3848
Hunter-Lab	47.1948, -25.1930, 21.1494

Details

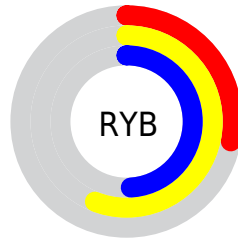
The Yxy color **22.2735, 0.3235, 0.4748** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.7779, 0.2899, 0.2012**, and the grayscale version is **18.5078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1526, 0.3239, 0.4396**, and **8.1475, 0.3192, 0.5397** is the 20% darker color. If you saturate the color by 10%, you get **21.6208, 0.3235, 0.5061**, and if you desaturate by 10%, it is **23.0461, 0.3225, 0.4427**.

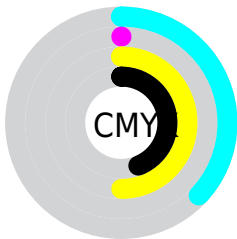
Distribution



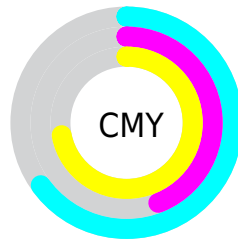
- Red (35%)
- Green (56%)
- Blue (28%)



- Red (28%)
- Yellow (56%)
- Blue (49%)



- Cyan (37%)
- Magenta (0%)
- Yellow (50%)
- Black (44%)




- Cyan (65%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2735, 0.3235, 0.4748 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 22.2735, 0.3235, 0.4748 by changing the saturation by 10% instead.


 22.2735, 0.3235,
0.4748


 22.2735, 0.3235,
0.4748


263.9712, 0.3208,
0.3888


 14.0580, 0.3221,
0.5015


 47.1976, 0.3237,
0.4399

 8.1610, 0.3183,
0.5392


 64.6750, 0.3233,
0.4279


 4.1982, 0.3097,
0.5979

 86.0085, 0.3229,
0.4182

 1.7850, 0.2901,
0.7099

 111.5825, 0.3225,
0.4103

 0.4778, 0.0000,
1.0000

 141.7814, 0.3220,
0.4036

 0.0000, 0.0000,
0.0000

176.9895, 0.3216,

0.3979

217.5914, 0.3212,
0.3931

■ 22.2735, 0.3235,
0.4748

■ 22.2735, 0.3235,
0.4748

■ 21.6208, 0.3235,
0.5061

■ 23.0461, 0.3225,
0.4427

■ 21.0790, 0.3222,
0.5349

■ 23.9416, 0.3207,
0.4113

■ 20.6421, 0.3197,
0.5592

■ 24.9662, 0.3184,
0.3817

■ 20.3026, 0.3161,
0.5775

■ 26.1248, 0.3157,
0.3545

■ 20.0526, 0.3123,
0.5902

■ 27.4223, 0.3128,
0.3298

■ 28.8632, 0.3099,
0.3078

■ 30.4516, 0.3070,
0.2883

■ 32.1918, 0.3042,
0.2711

■ 34.0877, 0.3016,
0.2559

Harmonies

Analogous

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



22.2735, 0.3988, 0.4699



22.2735, 0.3235, 0.4748



22.2735, 0.2494, 0.4196

Triad

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



22.2735, 0.3235, 0.4748



22.2735, 0.1828, 0.2179



22.2735, 0.4409, 0.3084

Complementary

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



22.2735, 0.3235, 0.4748



10.7779, 0.2899, 0.2012

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.



22.2735, 0.3673, 0.2575



22.2735, 0.3235, 0.4748



22.2735, 0.2197, 0.2072

Square

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



22.2735, 0.3235, 0.4748



22.2735, 0.1746, 0.2586



22.2735, 0.2844, 0.2218



22.2735, 0.4735, 0.3665

Rectangle

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



22.2735, 0.3235, 0.4748



22.2735, 0.2110, 0.3614



22.2735, 0.2844, 0.2218



22.2735, 0.4196, 0.2902

Sweetspot

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



22.2745, 0.3235, 0.4748



45.7202, 0.3170, 0.3677



20.6617, 0.3992, 0.4197



10.3957, 0.3176, 0.3729



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.



22.2745, 0.3235, 0.4748



38.6192, 0.3234, 0.5089



21.6876, 0.2923, 0.4472



6.0939, 0.3154, 0.3514



17.7383, 0.3126, 0.5900



0.1791, 0.3424, 0.5663

Inverse Universe

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



10.7779, 0.2899, 0.2012



15.6490, 0.2829, 0.1757



11.8595, 0.3445, 0.2353



5.4405, 0.3098, 0.3070



4.4354, 0.2567, 0.1188



0.0531, 0.2886, 0.1364

Previews

White Background



This preview shows how the Yxy color 22.2735, 0.3235, 0.4748 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 22.2735, 0.3235, 0.4748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

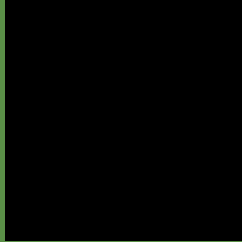
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2735, 0.3235, 0.4748

Background



This preview shows how black text looks on a background with the Yxy color 22.2735, 0.3235, 0.4748.



This preview shows how white text looks on a background with the Yxy color 22.2735, 0.3235, 0.4748.

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

22.2735, 0.3235, 0.4748

Protanopia

21.9335, 0.3999, 0.4350

Deuteranopia

21.8558, 0.4126, 0.4045



Tritanopia

22.2868, 0.2693, 0.3087

Trichromacy



Original Color

22.2735, 0.3235, 0.4748

Protanomaly

21.7526, 0.3698, 0.4498

Deuteranomaly

21.4462, 0.3781, 0.4293

Tritanomaly

22.1055, 0.2892, 0.3662

Monochromacy



Original Color

22.2735, 0.3235, 0.4748

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5858, 0.3173, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2735, 0.3235, 0.4748 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(90, 143, 71)` looks like.

```
.text, #text, p{  
    color:rgb(90, 143, 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(90, 143, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 143, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.2735, 0.3235, 0.4748 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(90, 143, 71) }
```

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

```
.border{ border-color:rgb(90, 143, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 143, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 143, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 143, 71);  
box-shadow:4px 4px 4px 4px rgb(90, 143,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2735, 0.3235, 0.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 143, 71) }
```

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

```
.background{ background-color: rgb(90, 143,  
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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