

Converting Colors

$Y_{xy}(22.4878, 0.3163, 0.4717)$

Have a look what the booklet for
Yxy(22.4878, 0.3163, 0.4717)
contains.

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Color

Yxy(22.4194, 0.3169, 0.4722)

Conversions

Conversions Part 1

Format	Color
Hex	56904A
RGB	86, 144, 74
RGB Percent	34%, 56%, 29%
CMY	0.6628, 0.4353, 0.7098
CMYK	0.40, 0.00, 0.49, 0.44
HSL	110°, 32%, 43%
HSV	110°, 49%, 56%
XYZ	15.0460, 22.4194, 10.0132
YIQ	118.6780, -12.0980, -34.0660

Conversions

Conversions Part 2

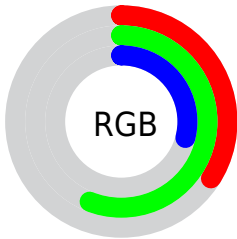
Format	Color
R_{YB}	74, 144, 132
Decimal	5673034
CIE _{Lab}	54.47, -33.27, 31.22
CIE _{LCh}	54, 45.626, 136.817
Yxy	22.4194, 0.3169, 0.4722
Android (android.graphics.Color)	4283863114 (0xFF56904A)
YUV	118.6780, -22.0263, -28.6586
Hunter-Lab	47.3491, -26.1396, 20.6059

Details

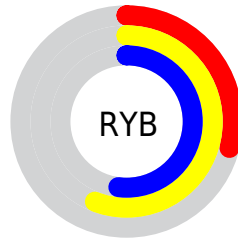
The Yxy color **22.4194, 0.3169, 0.4722** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.8194, 0.3004, 0.2088**, and the grayscale version is **18.4139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3324, 0.3187, 0.4375**, and **8.2479, 0.3099, 0.5357** is the 20% darker color. If you saturate the color by 10%, you get **21.7280, 0.3162, 0.5049**, and if you desaturate by 10%, it is **23.2517, 0.3169, 0.4391**.

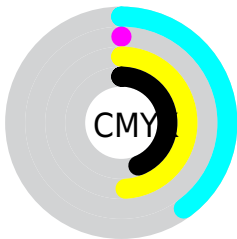
Distribution



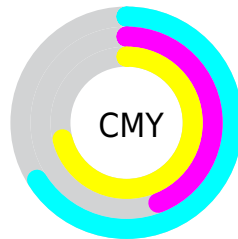
- Red (34%)
- Green (56%)
- Blue (29%)



- Red (29%)
- Yellow (56%)
- Blue (52%)



- Cyan (40%)
- Magenta (0%)
- Yellow (49%)
- Black (44%)




- Cyan (66%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4194, 0.3169, 0.4722 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 22.4194, 0.3169, 0.4722 by changing the saturation by 10% instead.


 22.4194, 0.3169,
0.4722


 22.4194, 0.3169,
0.4722


264.7287, 0.3178,
0.3876


 14.1654, 0.3147,
0.4987


 47.4382, 0.3184,
0.4377


 8.2358, 0.3098,
0.5363


 64.9718, 0.3185,
0.4260


 4.2462, 0.2991,
0.5937

 86.3674, 0.3185,
0.4165

 1.8122, 0.2816,
0.7184

 112.0093, 0.3184,
0.4086

 0.4948, 0.0000,
1.0000

 142.2820, 0.3183,
0.4021

 0.0000, 0.0000,
0.0000

177.5699, 0.3181,

0.3965

218.2573, 0.3179,
0.3917

■ 22.4194, 0.3169,
0.4722

■ 22.4194, 0.3169,
0.4722

■ 21.7280, 0.3162,
0.5049

■ 23.2517, 0.3169,
0.4391

■ 21.1670, 0.3147,
0.5353

■ 24.2293, 0.3163,
0.4071

■ 20.7287, 0.3124,
0.5610


■ 25.3598, 0.3153,
0.3772

■ 20.4035, 0.3095,
0.5804

■ 26.6494, 0.3140,
0.3501


■ 20.1762, 0.3065,
0.5935

■ 28.1040, 0.3125,
0.3258

 20.1504, 0.3062,
0.5951

 29.7292, 0.3110,
0.3043

 31.5303, 0.3094,
0.2855

 33.5123, 0.3078,
0.2690

 35.6803, 0.3064,
0.2547

Harmonies

Analogous

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



22.4194, 0.3928, 0.4721



22.4194, 0.3169, 0.4722



22.4194, 0.2440, 0.4126

Triad

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



22.4194, 0.3169, 0.4722



22.4194, 0.1849, 0.2160



22.4194, 0.4454, 0.3132

Complementary

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



22.4194, 0.3169, 0.4722



11.8194, 0.3004, 0.2088

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.



22.4194, 0.3743, 0.2615



22.4194, 0.3169, 0.4722



22.4194, 0.2242, 0.2077

Square

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



22.4194, 0.3169, 0.4722



22.4194, 0.1744, 0.2540



22.4194, 0.2910, 0.2242



22.4194, 0.4736, 0.3715

Rectangle

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



22.4194, 0.3169, 0.4722



22.4194, 0.2071, 0.3538



22.4194, 0.2910, 0.2242



22.4194, 0.4252, 0.2948

Sweetspot

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



22.4204, 0.3169, 0.4722



45.4447, 0.3149, 0.3680



22.7031, 0.3914, 0.4256



10.3262, 0.3151, 0.3732



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.



22.4204, 0.3169, 0.4722



38.2565, 0.3161, 0.5068



22.2519, 0.2881, 0.4297



6.0710, 0.3140, 0.3515



17.5535, 0.3064, 0.5949



0.1745, 0.3288, 0.5771

Inverse Universe

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



11.8194, 0.3004, 0.2088



17.3153, 0.2964, 0.1853



12.2290, 0.3527, 0.2471



5.4650, 0.3112, 0.3071



5.1996, 0.2790, 0.1311



0.0577, 0.3007, 0.1430

Previews

White Background



This preview shows how the Yxy color 22.4194, 0.3169, 0.4722 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 22.4194, 0.3169, 0.4722 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 22.4194, 0.3169, 0.4722

Background



This preview shows how black text looks on a background with the Yxy color 22.4194, 0.3169, 0.4722.



This preview shows how white text looks on a background with the Yxy color 22.4194, 0.3169, 0.4722.

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

22.4194, 0.3169, 0.4722

Protanopia

22.2346, 0.3961, 0.4320

Deuteranopia

22.1479, 0.4084, 0.4015



Tritanopia

22.3676, 0.2651, 0.3086

Trichromacy



Original Color

22.4194, 0.3169, 0.4722

Protanomaly

21.9205, 0.3638, 0.4474

Deuteranomaly

21.5937, 0.3718, 0.4267

Tritanomaly

22.2010, 0.2845, 0.3664

Monochromacy



Original Color

22.4194, 0.3169, 0.4722

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5434, 0.3150, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4194, 0.3169, 0.4722 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(86, 144, 74)` looks like.

```
.text, #text, p{  
    color:rgb(86, 144, 74)  
}
```

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(86, 144, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 144, 74) }
```

Border

The CSS property to change the border of an element to Yxy 22.4194, 0.3169, 0.4722 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(86, 144, 74) }
```

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

```
.border{ border-color:rgb(86, 144, 74) }
```

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

Here you see how a box with a 4 pixel rgb(86, 144, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 144, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 144, 74);  
box-shadow:4px 4px 4px 4px rgb(86, 144,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4194, 0.3169, 0.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 144, 74) }
```

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

```
.background{ background-color: rgb(86, 144,  
74) }
```

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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