

Converting Colors

$Y_{xy}(24.4505, 0.3470, 0.4959)$

Have a look what the booklet for
Yxy(24.4505, 0.3470, 0.4959)
contains.

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Color

Yxy(24.4785, 0.3478, 0.4963)

Conversions

Conversions Part 1

Format	Color
Hex	699439
RGB	105, 148, 57
RGB Percent	41%, 58%, 22%
CMY	0.5882, 0.4196, 0.7765
CMYK	0.29, 0.00, 0.61, 0.42
HSL	88°, 44%, 40%
HSV	88°, 61%, 58%
XYZ	17.1542, 24.4785, 7.6893
YIQ	124.7690, 3.5830, -37.4170

Conversions

Conversions Part 2

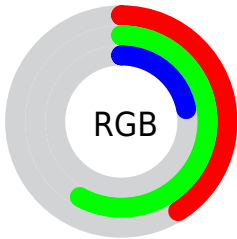
Format	Color
R_{YB}	57, 148, 100
Decimal	6919225
CIE _{Lab}	56.56, -30.21, 42.44
CIE _{LCh}	57, 52.097, 125.446
Yxy	24.4785, 0.3478, 0.4963
Android (android.graphics.Color)	4285109305 (0xFF699439)
YUV	124.7690, -33.4101, -17.3374
Hunter-Lab	49.4758, -24.6932, 25.4184

Details

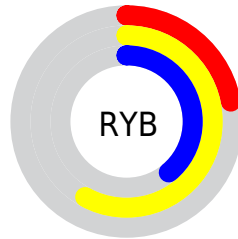
The Yxy color **24.4785, 0.3478, 0.4963** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.7714, 0.2476, 0.1595**, and the grayscale version is **20.5403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6947, 0.3441, 0.4576**, and **9.3085, 0.3467, 0.5615** is the 20% darker color. If you saturate the color by 10%, you get **23.9466, 0.3491, 0.5208**, and if you desaturate by 10%, it is **25.0904, 0.3446, 0.4691**.

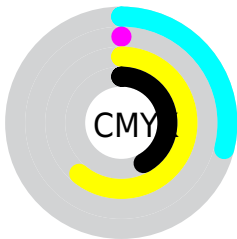
Distribution



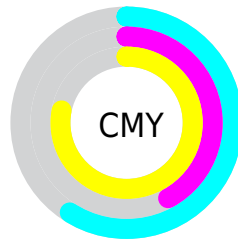
- Red (41%)
- Green (58%)
- Blue (22%)



- Red (22%)
- Yellow (58%)
- Blue (39%)



- Cyan (29%)
- Magenta (0%)
- Yellow (61%)
- Black (42%)



- Cyan (59%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4785, 0.3478, 0.4963 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 24.4785, 0.3478, 0.4963 by changing the saturation by 10% instead.


 24.4785, 0.3478,
0.4963


 24.4785, 0.3478,
0.4963


275.2308, 0.3334,
0.4003


 15.6890, 0.3487,
0.5240


 50.8099, 0.3441,
0.4585


 9.3043, 0.3471,
0.5611


 69.1206, 0.3421,
0.4451


 4.9402, 0.3459,
0.6244

 91.3737, 0.3403,
0.4342

 2.2122, 0.3148,
0.6852

 117.9538, 0.3386,
0.4251

 0.7266, 0.0000,
1.0000

 149.2451, 0.3371,
0.4175

 0.0000, 0.0000,
0.0000

 185.6321, 0.3357,

0.4109

227.4992, 0.3345,
0.4052

■ 24.4785, 0.3478,
0.4963

■ 24.4785, 0.3478,
0.4963

■ 23.9466, 0.3491,
0.5208

■ 25.0904, 0.3446,
0.4691

■ 23.4869, 0.3482,
0.5413

■ 25.7833, 0.3399,
0.4404

■ 23.0949, 0.3452,
0.5567

■ 26.5621, 0.3341,
0.4117

■ 22.8040, 0.3416,
0.5670

■ 27.4304, 0.3276,
0.3837

■ 28.3915, 0.3207,
0.3572

■ 29.4485, 0.3138,
0.3325

■ 30.6044, 0.3069,
0.3099

■ 31.8620, 0.3003,
0.2894

■ 33.2241, 0.2940,
0.2710

Harmonies

Analogous

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



24.4785, 0.4265, 0.4707



24.4785, 0.3478, 0.4963



24.4785, 0.2644, 0.4553

Triad

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



24.4785, 0.3478, 0.4963



24.4785, 0.1659, 0.2164



24.4785, 0.4339, 0.2881

Complementary

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



24.4785, 0.3478, 0.4963



7.7714, 0.2476, 0.1595

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.



24.4785, 0.3448, 0.2376



24.4785, 0.3478, 0.4963



24.4785, 0.1962, 0.1969

Square

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



24.4785, 0.3478, 0.4963



24.4785, 0.1660, 0.2705



24.4785, 0.2574, 0.2054



24.4785, 0.4855, 0.3487

Rectangle

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



24.4785, 0.3478, 0.4963



24.4785, 0.2174, 0.3944



24.4785, 0.2574, 0.2054



24.4785, 0.4065, 0.2697

Sweetspot

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



24.4796, 0.3478, 0.4963



48.9115, 0.3255, 0.3752



15.6026, 0.4474, 0.3999



11.0649, 0.3273, 0.3824



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4796, 0.3478, 0.4963



41.9129, 0.3490, 0.5295



22.4373, 0.3059, 0.5202



6.6099, 0.3191, 0.3513



19.4937, 0.3420, 0.5666



0.2561, 0.3755, 0.5401

Inverse Universe

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



7.7714, 0.2476, 0.1595



9.7835, 0.2287, 0.1254



11.0799, 0.3146, 0.1886



5.7592, 0.3058, 0.3066



2.9519, 0.1994, 0.0872



0.0534, 0.2490, 0.1145

Previews

White Background



This preview shows how the Yxy color 24.4785, 0.3478, 0.4963 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 24.4785, 0.3478, 0.4963 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 24.4785, 0.3478, 0.4963

Background



This preview shows how black text looks on a background with the Yxy color 24.4785, 0.3478, 0.4963.



This preview shows how white text looks on a background with the Yxy color 24.4785, 0.3478, 0.4963.

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

24.4785, 0.3478, 0.4963

Protanopia

24.1643, 0.4156, 0.4550

Deuteranopia

24.2749, 0.4327, 0.4255



Tritanopia

24.5188, 0.2806, 0.3098

Trichromacy



Original Color

24.4785, 0.3478, 0.4963

Protanomaly

24.0908, 0.3893, 0.4718

Deuteranomaly

23.8745, 0.3995, 0.4510

Tritanomaly

24.1177, 0.3073, 0.3774

Monochromacy



Original Color

24.4785, 0.3478, 0.4963

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.5467, 0.3304, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4785, 0.3478, 0.4963 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, 148, 57)` looks like.

```
.text, #text, p{  
    color:rgb(105, 148, 57)  
}
```

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, 148, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 148, 57) }
```

Border

The CSS property to change the border of an element to Yxy 24.4785, 0.3478, 0.4963 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, 148, 57) }
```

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

```
.border{ border-color:rgb(105, 148, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 148, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 148, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 148, 57);  
box-shadow:4px 4px 4px 4px rgb(105, 148,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4785, 0.3478, 0.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 148, 57) }
```

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

```
.background{ background-color: rgb(105,  
148, 57) }
```

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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