

Converting Colors

$Y_{xy}(24.5052, 0.3276, 0.4518)$

Have a look what the booklet for
Yxy(24.5052, 0.3276, 0.4518)
contains.

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Color

$\text{Yxy}(24.4350, 0.3272, 0.4516)$

Conversions

Conversions Part 1

Format	Color
Hex	689353
RGB	104, 147, 83
RGB Percent	41%, 58%, 33%
CMY	0.5922, 0.4235, 0.6745
CMYK	0.29, 0.00, 0.44, 0.42
HSL	100°, 28%, 45%
HSV	100°, 44%, 58%
XYZ	17.7040, 24.4350, 11.9686
YIQ	126.8470, -5.0840, -29.0200

Conversions

Conversions Part 2

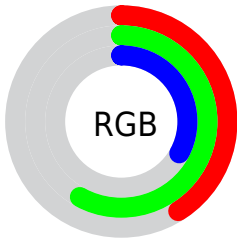
Format	Color
R_{YB}	83, 147, 126
Decimal	6853459
CIE _{Lab}	56.52, -27.04, 29.23
CIE _{LCh}	57, 39.819, 132.771
Yxy	24.4350, 0.3272, 0.4516
Android (android.graphics.Color)	4285043539 (0xFF689353)
YUV	126.8470, -21.6166, -20.0368
Hunter-Lab	49.4318, -22.5757, 20.2467

Details

The Yxy color **24.4350, 0.3272, 0.4516** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7315, 0.2882, 0.2163**, and the grayscale version is **21.2456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6348, 0.3264, 0.4235**, and **9.2774, 0.3266, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **23.6756, 0.3287, 0.4829**, and if you desaturate by 10%, it is **25.3140, 0.3247, 0.4205**.

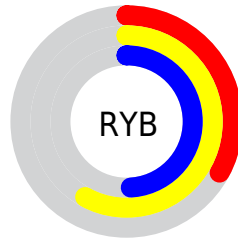
Distribution



Red (41%)

Green (58%)

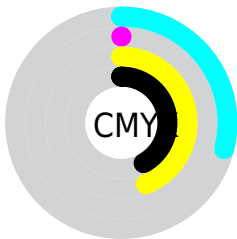
Blue (33%)



Red (33%)

Yellow (58%)

Blue (49%)

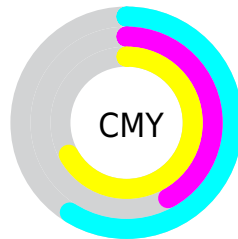


Cyan (29%)

Magenta (0%)

Yellow (44%)

Black (42%)



Cyan (59%)


Magenta (42%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4350, 0.3272, 0.4516 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 24.4350, 0.3272, 0.4516 by changing the saturation by 10% instead.


 24.4350, 0.3272,
0.4516


 24.4350, 0.3272,
0.4516


275.0124, 0.3215,
0.3807


 15.6566, 0.3274,
0.4731


 50.7391, 0.3258,
0.4232

 9.2815, 0.3266,
0.5032


 69.0337, 0.3250,
0.4133


 4.9252, 0.3225,
0.5478

 91.2691, 0.3243,
0.4053

 2.2035, 0.3332,
0.6668

 117.8297, 0.3237,
0.3987

 0.7219, 0.0348,
0.9652

 149.0999, 0.3230,
0.3931

 0.0000, 0.0000,
0.0000

185.4642, 0.3225,

0.3883

227.3069, 0.3220,
0.3842

■ 24.4350, 0.3272,
0.4516

■ 24.4350, 0.3272,
0.4516

■ 23.6756, 0.3287,
0.4829

■ 25.3140, 0.3247,
0.4205

■ 23.0270, 0.3289,
0.5128

■ 26.3144, 0.3215,
0.3907

■ 22.4845, 0.3276,
0.5396


■ 27.4420, 0.3179,
0.3628


■ 22.0415, 0.3248,
0.5616


■ 28.7014, 0.3141,
0.3374

■ 21.6903, 0.3206,
0.5776


■ 30.0967, 0.3102,
0.3145

 21.5020, 0.3178,
0.5859

 31.6321, 0.3064,
0.2940

 33.3113, 0.3027,
0.2758

 35.1382, 0.2991,
0.2598

 37.1164, 0.2958,
0.2456

Harmonies

Analogous

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



24.4350, 0.3914, 0.4486



24.4350, 0.3272, 0.4516



24.4350, 0.2626, 0.4077

Triad

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



24.4350, 0.3272, 0.4516



24.4350, 0.1987, 0.2346



24.4350, 0.4187, 0.3101

Complementary

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



24.4350, 0.3272, 0.4516



12.7315, 0.2882, 0.2163

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.



24.4350, 0.3560, 0.2654



24.4350, 0.3272, 0.4516



24.4350, 0.2304, 0.2230

Square

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



24.4350, 0.3272, 0.4516



24.4350, 0.1931, 0.2727



24.4350, 0.2859, 0.2345



24.4350, 0.4492, 0.3614

Rectangle

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



24.4350, 0.3272, 0.4516



24.4350, 0.2280, 0.3608



24.4350, 0.2859, 0.2345



24.4350, 0.4003, 0.2941

Sweetspot

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



24.4361, 0.3272, 0.4516



49.1992, 0.3178, 0.3621



21.6660, 0.3896, 0.4017



11.1323, 0.3186, 0.3676



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.



24.4361, 0.3272, 0.4516



42.4562, 0.3286, 0.4814



23.5102, 0.2980, 0.4376



6.5553, 0.3163, 0.3515



18.6526, 0.3182, 0.5856



0.2430, 0.3512, 0.5593

Inverse Universe

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



12.7315, 0.2882, 0.2163



18.7258, 0.2809, 0.1915



14.1786, 0.3327, 0.2407



5.8149, 0.3088, 0.3068



4.1294, 0.2414, 0.1104



0.0666, 0.2797, 0.1314

Previews

White Background



This preview shows how the Yxy color 24.4350, 0.3272, 0.4516 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 24.4350, 0.3272, 0.4516 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 24.4350, 0.3272, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 24.4350, 0.3272, 0.4516.



This preview shows how white text looks on a background with the Yxy color 24.4350, 0.3272, 0.4516.

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

24.4350, 0.3272, 0.4516

Protanopia

24.1884, 0.3885, 0.4216

Deuteranopia

24.1752, 0.4030, 0.3948



Tritanopia

24.3121, 0.2777, 0.3096

Trichromacy



Original Color

24.4350, 0.3272, 0.4516

Protanomaly

23.9500, 0.3653, 0.4331

Deuteranomaly

24.0310, 0.3733, 0.4145

Tritanomaly

24.2319, 0.2958, 0.3585

Monochromacy



Original Color

24.4350, 0.3272, 0.4516

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.1198, 0.3197, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4350, 0.3272, 0.4516 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(104, 147, 83)` looks like.

```
.text, #text, p{  
    color:rgb(104, 147, 83)  
}
```

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(104, 147, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 147, 83) }
```

Border

The CSS property to change the border of an element to Yxy 24.4350, 0.3272, 0.4516 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(104, 147, 83) }
```

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

```
.border{ border-color:rgb(104, 147, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 147, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 147, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 147, 83);  
box-shadow:4px 4px 4px 4px rgb(104, 147,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4350, 0.3272, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 147, 83) }
```

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

```
.background{ background-color: rgb(104,  
147, 83) }
```

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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