

Converting Colors

$Y_{xy}(24.1170, 0.3281, 0.4487)$

Have a look what the booklet for
Yxy(24.1170, 0.3281, 0.4487)
contains.

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Color

Yxy(24.1856, 0.3285, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	699253
RGB	105, 146, 83
RGB Percent	41%, 57%, 33%
CMY	0.5883, 0.4274, 0.6745
CMYK	0.28, 0.00, 0.43, 0.43
HSL	99°, 28%, 45%
HSV	99°, 43%, 57%
XYZ	17.6633, 24.1856, 11.9207
YIQ	126.5590, -4.2130, -28.2850

Conversions

Conversions Part 2

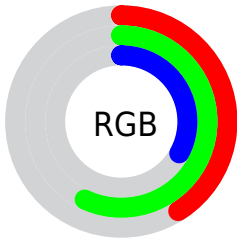
Format	Color
R_{YB}	83, 146, 124
Decimal	6918739
CIE _{Lab}	56.27, -26.19, 28.93
CIE _{LCh}	56, 39.026, 132.155
Yxy	24.1856, 0.3285, 0.4498
Android (android.graphics.Color)	4285108819 (0xFF699253)
YUV	126.5590, -21.4746, -18.9072
Hunter-Lab	49.1789, -21.9520, 20.0536

Details

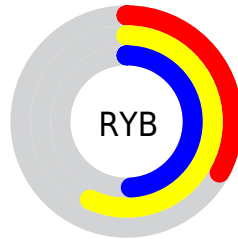
The Yxy color **24.1856, 0.3285, 0.4498** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.5502, 0.2867, 0.2168**, and the grayscale version is **21.1389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2711, 0.3274, 0.4221**, and **9.1240, 0.3285, 0.5006** is the 20% darker color. If you saturate the color by 10%, you get **23.4405, 0.3303, 0.4808**, and if you desaturate by 10%, it is **25.0447, 0.3257, 0.4190**.

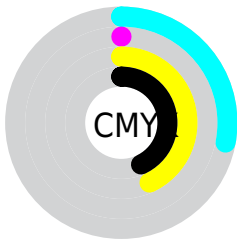
Distribution



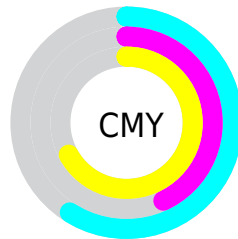
- Red (41%)
- Green (57%)
- Blue (33%)



- Red (33%)
- Yellow (57%)
- Blue (49%)



- Cyan (28%)
- Magenta (0%)
- Yellow (43%)
- Black (43%)





- Cyan (59%)
- Magenta (43%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1856, 0.3285, 0.4498 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 24.1856, 0.3285, 0.4498 by changing the saturation by 10% instead.


 24.1856, 0.3285,
0.4498


 24.1856, 0.3285,
0.4498


273.7575, 0.3220,
0.3799


 15.4714, 0.3290,
0.4710


 50.3329, 0.3268,
0.4217


 9.1509, 0.3285,
0.5008


 68.5348, 0.3259,
0.4120

 4.8397, 0.3251,
0.5448

 90.6679, 0.3251,
0.4042

 2.1535, 0.3370,
0.6630

 117.1168, 0.3243,
0.3976

 0.6945, 0.0289,
0.9711

 148.2658, 0.3237,
0.3921

 0.0000, 0.0000,
0.0000

184.4993, 0.3231,

0.3874

226.2018, 0.3225,
0.3834

■ 24.1856, 0.3285,
0.4498

■ 24.1856, 0.3285,
0.4498

■ 23.4405, 0.3303,
0.4808

■ 25.0447, 0.3257,
0.4190

■ 22.8012, 0.3308,
0.5105

■ 26.0194, 0.3222,
0.3894

■ 22.2631, 0.3297,
0.5372


■ 27.1152, 0.3182,
0.3618


■ 21.8199, 0.3271,
0.5592

■ 28.3363, 0.3140,
0.3365


■ 21.4648, 0.3229,
0.5754


■ 29.6868, 0.3098,
0.3136

 21.2621, 0.3199,
0.5842

 31.1704, 0.3057,
0.2932

 32.7908, 0.3018,
0.2751

 34.5515, 0.2980,
0.2590

 36.4558, 0.2944,
0.2448

Harmonies

Analogous

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



24.1856, 0.3915, 0.4462



24.1856, 0.3285, 0.4498



24.1856, 0.2646, 0.4075

Triad

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



24.1856, 0.3285, 0.4498



24.1856, 0.1999, 0.2366



24.1856, 0.4160, 0.3095

Complementary

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



24.1856, 0.3285, 0.4498



12.5502, 0.2867, 0.2168

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.



24.1856, 0.3539, 0.2655



24.1856, 0.3285, 0.4498



24.1856, 0.2307, 0.2245

Square

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



24.1856, 0.3285, 0.4498



24.1856, 0.1950, 0.2748



24.1856, 0.2851, 0.2354



24.1856, 0.4467, 0.3601

Rectangle

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



24.1856, 0.3285, 0.4498



24.1856, 0.2302, 0.3618



24.1856, 0.2851, 0.2354



24.1856, 0.3977, 0.2937

Sweetspot

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



24.1866, 0.3285, 0.4498



47.8053, 0.3182, 0.3620



21.1407, 0.3895, 0.3994



10.5448, 0.3191, 0.3674



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.



24.1866, 0.3285, 0.4498



41.3585, 0.3303, 0.4805



23.1803, 0.2989, 0.4386



6.5609, 0.3166, 0.3515



18.7197, 0.3202, 0.5840



0.2444, 0.3539, 0.5572

Inverse Universe

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



12.5502, 0.2867, 0.2168



17.9888, 0.2786, 0.1907



14.0919, 0.3309, 0.2400



5.8090, 0.3085, 0.3068



3.9842, 0.2367, 0.1078



0.0652, 0.2767, 0.1298

Previews

White Background



This preview shows how the Yxy color 24.1856, 0.3285, 0.4498 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 24.1856, 0.3285, 0.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

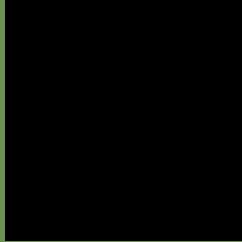
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1856, 0.3285, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 24.1856, 0.3285, 0.4498.



This preview shows how white text looks on a background with the Yxy color 24.1856, 0.3285, 0.4498.

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

24.1856, 0.3285, 0.4498

Protanopia

24.0955, 0.3873, 0.4221

Deuteranopia

24.0700, 0.4017, 0.3951



Tritanopia

23.9917, 0.2785, 0.3096

Trichromacy



Original Color

24.1856, 0.3285, 0.4498

Protanomaly

23.9500, 0.3653, 0.4331

Deuteranomaly

23.6626, 0.3726, 0.4134

Tritanomaly

23.9099, 0.2967, 0.3586

Monochromacy



Original Color

24.1856, 0.3285, 0.4498

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 24.1856, 0.3285, 0.4498 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, 146, 83)` looks like.

```
.text, #text, p{  
    color:rgb(105, 146, 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(105, 146, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 146, 83) }
```

Border

The CSS property to change the border of an element to Yxy 24.1856, 0.3285, 0.4498 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, 146, 83) }
```

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

```
.border{ border-color:rgb(105, 146, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 146, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 146, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 146, 83);  
box-shadow:4px 4px 4px 4px rgb(105, 146,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1856, 0.3285, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 146, 83) }
```

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

```
.background{ background-color: rgb(105,  
146, 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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