

Converting Colors

$Y_{xy}(22.7638, 0.3364, 0.4982)$

Have a look what the booklet for
Yxy(22.7638, 0.3364, 0.4982)
contains.

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Color

Yxy(22.8834, 0.3356, 0.4986)

Conversions

Conversions Part 1

Format	Color
Hex	5D913A
RGB	93, 145, 58
RGB Percent	36%, 57%, 23%
CMY	0.6353, 0.4314, 0.7725
CMYK	0.36, 0.00, 0.60, 0.43
HSL	96°, 43%, 40%
HSV	96°, 60%, 57%
XYZ	15.4025, 22.8834, 7.6094
YIQ	119.5340, -3.0650, -38.0810

Conversions

Conversions Part 2

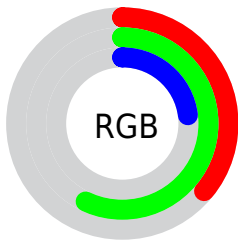
Format	Color
RYB	58, 145, 110
Decimal	6132026
CIELab	54.95, -33.23, 39.95
CIELCh	55, 51.964, 129.754
Yxy	22.8834, 0.3356, 0.4986
Android (android.graphics.Color)	4284322106 (0xFF5D913A)
YUV	119.5340, -30.3363, -23.2703
Hunter-Lab	47.8366, -26.2405, 24.0543

Details

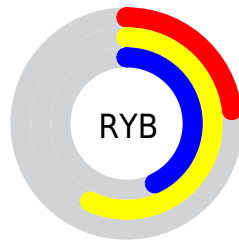
The Yxy color **22.8834, 0.3356, 0.4986** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.3888, 0.2656, 0.1706**, and the grayscale version is **18.7250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0405, 0.3343, 0.4591**, and **8.4856, 0.3311, 0.5689** is the 20% darker color. If you saturate the color by 10%, you get **22.3299, 0.3356, 0.5257**, and if you desaturate by 10%, it is **23.5317, 0.3340, 0.4691**.

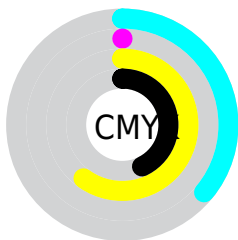
Distribution



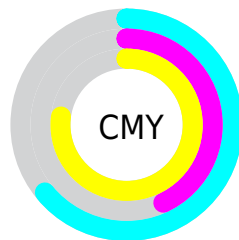
- Red (36%)
- Green (57%)
- Blue (23%)



- Red (23%)
- Yellow (57%)
- Blue (43%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (43%)





- Cyan (64%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8834, 0.3356, 0.4986 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 22.8834, 0.3356, 0.4986 by changing the saturation by 10% instead.


 22.8834, 0.3356,
0.4986


 22.8834, 0.3356,
0.4986

267.1255, 0.3277,
0.3995

 14.5074, 0.3347,
0.5283


 48.2018, 0.3344,
0.4589


 8.4744, 0.3306,
0.5690

 65.9130, 0.3333,
0.4451

 4.4000, 0.3265,
0.6422

 87.5048, 0.3322,
0.4338

 1.8997, 0.2863,
0.7137

 113.3615, 0.3312,
0.4246

 0.5482, 0.0000,
1.0000

 143.8675, 0.3302,
0.4168

 0.0000, 0.0000,
0.0000

 179.4073, 0.3293,

0.4101

220.3652, 0.3285,
0.4044

■ 22.8834, 0.3356,
0.4986

■ 22.8834, 0.3356,
0.4986

■ 22.3299, 0.3356,
0.5257

■ 23.5317, 0.3340,
0.4691

■ 21.8631, 0.3338,
0.5487

■ 24.2767, 0.3310,
0.4387

■ 21.4778, 0.3302,
0.5664

■ 25.1239, 0.3271,
0.4087

■ 21.1610, 0.3256,
0.5796

■ 26.0772, 0.3226,
0.3801

■ 21.1608, 0.3256,
0.5796

■ 27.1407, 0.3177,
0.3534

■ 28.3179, 0.3127,
0.3290

■ 29.6124, 0.3077,
0.3069

■ 31.0274, 0.3029,
0.2871

■ 32.5661, 0.2983,
0.2694

Harmonies

Analogous

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



22.8834, 0.4177, 0.4797



22.8834, 0.3356, 0.4986



22.8834, 0.2520, 0.4464

Triad

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



22.8834, 0.3356, 0.4986



22.8834, 0.1661, 0.2096



22.8834, 0.4471, 0.2956

Complementary

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



22.8834, 0.3356, 0.4986



8.3888, 0.2656, 0.1706

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.



22.8834, 0.3592, 0.2425



22.8834, 0.3356, 0.4986



22.8834, 0.2012, 0.1944

Square

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



22.8834, 0.3356, 0.4986



22.8834, 0.1616, 0.2588



22.8834, 0.2678, 0.2067



22.8834, 0.4916, 0.3579

Rectangle

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



22.8834, 0.3356, 0.4986



22.8834, 0.2070, 0.3807



22.8834, 0.2678, 0.2067



22.8834, 0.4208, 0.2765

Sweetspot

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



22.8844, 0.3356, 0.4986



46.9915, 0.3218, 0.3757



17.2115, 0.4312, 0.4149



10.3478, 0.3231, 0.3829



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.



22.8844, 0.3356, 0.4986



39.6760, 0.3352, 0.5343



21.5369, 0.2992, 0.5021



6.1286, 0.3173, 0.3513



18.1634, 0.3261, 0.5793



0.1859, 0.3607, 0.5518

Inverse Universe

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



8.3888, 0.2656, 0.1706



11.2671, 0.2514, 0.1398



10.8755, 0.3304, 0.2023



5.4043, 0.3077, 0.3069



3.4947, 0.2250, 0.1013



0.0463, 0.2689, 0.1255

Previews

White Background



This preview shows how the Yxy color 22.8834, 0.3356, 0.4986 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 22.8834, 0.3356, 0.4986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

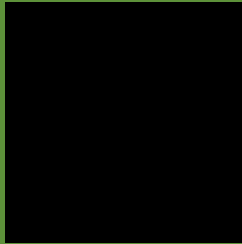
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8834, 0.3356, 0.4986

Background



This preview shows how black text looks on a background with the Yxy color 22.8834, 0.3356, 0.4986.



This preview shows how white text looks on a background with the Yxy color 22.8834, 0.3356, 0.4986.

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

22.8834, 0.3356, 0.4986

Protanopia

22.6099, 0.4126, 0.4521

Deuteranopia

22.6145, 0.4285, 0.4221



Tritanopia

22.8407, 0.2724, 0.3090

Trichromacy



Original Color

22.8834, 0.3356, 0.4986

Protanomaly

22.3962, 0.3832, 0.4703

Deuteranomaly

22.0846, 0.3920, 0.4492

Tritanomaly

22.5278, 0.2970, 0.3757

Monochromacy



Original Color

22.8834, 0.3356, 0.4986

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.8786, 0.3249, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8834, 0.3356, 0.4986 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(93, 145, 58)` looks like.

```
.text, #text, p{  
    color:rgb(93, 145, 58)  
}
```

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(93, 145, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 145, 58) }
```

Border

The CSS property to change the border of an element to Yxy 22.8834, 0.3356, 0.4986 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(93, 145, 58) }
```

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

```
.border{ border-color:rgb(93, 145, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 145, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 145, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 145, 58);  
box-shadow:4px 4px 4px 4px rgb(93, 145,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8834, 0.3356, 0.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 145, 58) }
```

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

```
.background{ background-color: rgb(93, 145,  
58) }
```

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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