

Converting Colors

$Y_{xy}(22.8550, 0.3451, 0.4855)$

Have a look what the booklet for
Yxy(22.8550, 0.3451, 0.4855)
contains.

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Color

Yxy(22.8654, 0.3452, 0.4855)

Conversions

Conversions Part 1

Format	Color
Hex	678F3D
RGB	103, 143, 61
RGB Percent	40%, 56%, 24%
CMY	0.5961, 0.4392, 0.7607
CMYK	0.28, 0.00, 0.57, 0.44
HSL	89°, 40%, 40%
HSV	89°, 57%, 56%
XYZ	16.2577, 22.8654, 7.9735
YIQ	121.6920, 2.4820, -33.9820

Conversions

Conversions Part 2

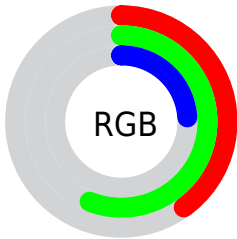
Format	Color
R_{YB}	61, 143, 101
Decimal	6786877
CIE _{Lab}	54.93, -28.20, 38.62
CIE _{LCh}	55, 47.821, 126.129
Yxy	22.8654, 0.3452, 0.4855
Android (android.graphics.Color)	4284976957 (0xFF678F3D)
YUV	121.6920, -29.9212, -16.3929
Hunter-Lab	47.8178, -22.9922, 23.5860

Details

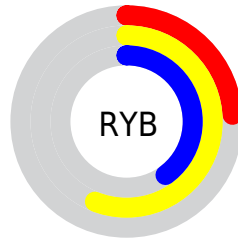
The Yxy color **22.8654, 0.3452, 0.4855** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.0910, 0.2552, 0.1721**, and the grayscale version is **19.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1481, 0.3412, 0.4496**, and **8.4041, 0.3460, 0.5493** is the 20% darker color. If you saturate the color by 10%, you get **22.3367, 0.3471, 0.5116**, and if you desaturate by 10%, it is **23.4717, 0.3416, 0.4573**.

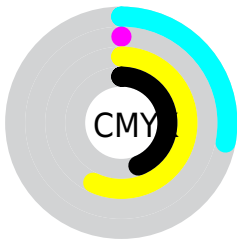
Distribution



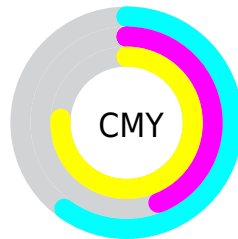
- Red (40%)
- Green (56%)
- Blue (24%)



- Red (24%)
- Yellow (56%)
- Blue (40%)



- Cyan (28%)
- Magenta (0%)
- Yellow (57%)
- Black (44%)



- Cyan (60%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8654, 0.3452, 0.4855 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 22.8654, 0.3452, 0.4855 by changing the saturation by 10% instead.

■ 22.8654, 0.3452,
0.4855

■ 22.8654, 0.3452,
0.4855

■ 267.0329, 0.3312,
0.3947

■ 14.4942, 0.3464,
0.5125

■ 48.1722, 0.3413,
0.4493

■ 8.4651, 0.3456,
0.5492

■ 65.8766, 0.3394,
0.4366

■ 4.3940, 0.3452,
0.6123

■ 87.4608, 0.3377,
0.4264

■ 1.8963, 0.3179,
0.6821

■ 113.3092, 0.3361,
0.4178

■ 0.5462, 0.0000,
1.0000

■ 143.8062, 0.3347,
0.4107

■ 0.0000, 0.0000,
0.0000

■ 179.3362, 0.3334,

0.4045

220.2837, 0.3323,
0.3993

■ 22.8654, 0.3452,
0.4855

■ 22.8654, 0.3452,
0.4855

■ 22.3367, 0.3471,
0.5116

■ 23.4717, 0.3416,
0.4573

■ 21.8783, 0.3470,
0.5341

■ 24.1564, 0.3366,
0.4284

■ 21.4865, 0.3447,
0.5520

■ 24.9239, 0.3307,
0.3998

■ 21.1535, 0.3407,
0.5652

■ 25.7774, 0.3243,
0.3723

■ 21.0710, 0.3396,
0.5685

■ 26.7201, 0.3176,
0.3466

■ 27.7548, 0.3109,
0.3229

■ 28.8843, 0.3044,
0.3012

■ 30.1111, 0.2981,
0.2817

■ 31.4377, 0.2922,
0.2642

Harmonies

Analogous

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



22.8654, 0.4199, 0.4646



22.8654, 0.3452, 0.4855



22.8654, 0.2661, 0.4449

Triad

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



22.8654, 0.3452, 0.4855



22.8654, 0.1734, 0.2220



22.8654, 0.4282, 0.2920

Complementary

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



22.8654, 0.3452, 0.4855



8.0910, 0.2552, 0.1721

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.



22.8654, 0.3453, 0.2432



22.8654, 0.3452, 0.4855



22.8654, 0.2032, 0.2034

Square

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



22.8654, 0.3452, 0.4855



22.8654, 0.1731, 0.2730



22.8654, 0.2624, 0.2119



22.8654, 0.4758, 0.3504

Rectangle

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



22.8654, 0.3452, 0.4855



22.8654, 0.2218, 0.3882



22.8654, 0.2624, 0.2119



22.8654, 0.4028, 0.2743

Sweetspot

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



22.8664, 0.3452, 0.4855



46.1559, 0.3243, 0.3724



15.4155, 0.4337, 0.3982



10.5203, 0.3255, 0.3771



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.



22.8664, 0.3452, 0.4855



39.7287, 0.3473, 0.5190



21.0200, 0.3054, 0.5065



6.1566, 0.3189, 0.3512



18.6420, 0.3400, 0.5683



0.1913, 0.3737, 0.5415

Inverse Universe

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



8.0910, 0.2552, 0.1721



10.5694, 0.2380, 0.1384



11.0414, 0.3167, 0.1973



5.3761, 0.3061, 0.3068



2.9104, 0.2025, 0.0889



0.0409, 0.2516, 0.1159

Previews

White Background



This preview shows how the Yxy color 22.8654, 0.3452, 0.4855 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 22.8654, 0.3452, 0.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

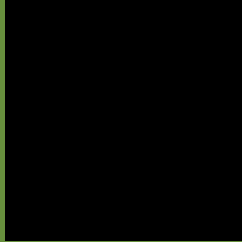
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8654, 0.3452, 0.4855

Background



This preview shows how black text looks on a background with the Yxy color 22.8654, 0.3452, 0.4855.



This preview shows how white text looks on a background with the Yxy color 22.8654, 0.3452, 0.4855.

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

22.8654, 0.3452, 0.4855

Protanopia

22.6390, 0.4101, 0.4483

Deuteranopia

22.6376, 0.4265, 0.4195



Tritanopia

22.7394, 0.2816, 0.3092

Trichromacy



Original Color

22.8654, 0.3452, 0.4855

Protanomaly

22.3793, 0.3854, 0.4628

Deuteranomaly

22.4481, 0.3953, 0.4439

Tritanomaly

22.4857, 0.3074, 0.3729

Monochromacy



Original Color

22.8654, 0.3452, 0.4855

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.5302, 0.3275, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8654, 0.3452, 0.4855 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(103, 143, 61)` looks like.

```
.text, #text, p{  
    color:rgb(103, 143, 61)  
}
```

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(103, 143, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 143, 61) }
```

Border

The CSS property to change the border of an element to Yxy 22.8654, 0.3452, 0.4855 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(103, 143, 61) }
```

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

```
.border{ border-color:rgb(103, 143, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 143, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 143, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 143, 61);  
box-shadow:4px 4px 4px 4px rgb(103, 143,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8654, 0.3452, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 143, 61) }
```

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

```
.background{ background-color: rgb(103,  
143, 61) }
```

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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