

Converting Colors

$Y_{xy}(22.6747, 0.3448, 0.4346)$

Have a look what the booklet for
Yxy(22.6747, 0.3448, 0.4346)
contains.

Yxy(22.5681, 0.3458, 0.4348)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5681, 0.3458, 0.4348)

Conversions

Conversions Part 1

Format	Color
Hex	758A52
RGB	117, 138, 82
RGB Percent	46%, 54%, 32%
CMY	0.5411, 0.4588, 0.6785
CMYK	0.15, 0.00, 0.41, 0.46
HSL	82°, 25%, 43%
HSV	82°, 41%, 54%
XYZ	17.9486, 22.5681, 11.3879
YIQ	125.3370, 5.4600, -21.8680

Conversions

Conversions Part 2

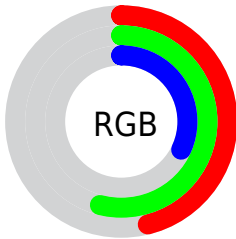
Format	Color
R_{YB}	82, 138, 103
Decimal	7703122
CIE _{Lab}	54.62, -17.56, 27.54
CIE _{LCh}	55, 32.658, 122.523
Yxy	22.5681, 0.3458, 0.4348
Android (android.graphics.Color)	4285893202 (0xFF758A52)
YUV	125.3370, -21.3651, -7.3115
Hunter-Lab	47.5059, -15.6948, 19.0414

Details

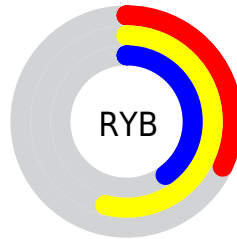
The Yxy color **22.5681, 0.3458, 0.4348** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.7474, 0.2672, 0.2177**, and the grayscale version is **20.7007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4736, 0.3401, 0.4101**, and **8.2941, 0.3536, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **22.0315, 0.3522, 0.4619**, and if you desaturate by 10%, it is **23.1687, 0.3383, 0.4073**.

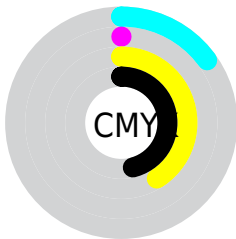
Distribution



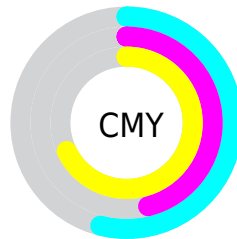
- Red (46%)
- Green (54%)
- Blue (32%)



- Red (32%)
- Yellow (54%)
- Blue (40%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (46%)





- Cyan (54%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5681, 0.3458, 0.4348 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 22.5681, 0.3458, 0.4348 by changing the saturation by 10% instead.


 22.5681, 0.3458,
0.4348


 22.5681, 0.3458,
0.4348

265.4988, 0.3289,
0.3738


 14.2749, 0.3496,
0.4532


 47.6832, 0.3398,
0.4104

 8.3121, 0.3539,
0.4789


 65.2738, 0.3375,
0.4019


 4.2953, 0.3576,
0.5166

 86.7325, 0.3355,
0.3950

 1.8401, 0.3825,
0.6175

 112.4435, 0.3338,
0.3893

 0.5120, 0.1017,
0.8983

 142.7912, 0.3323,
0.3845

 0.0000, 0.0000,
0.0000

178.1601, 0.3311,

0.3804

218.9345, 0.3299,
0.3769

■ 22.5681, 0.3458,
0.4348

■ 22.5681, 0.3458,
0.4348

■ 22.0315, 0.3522,
0.4619

■ 23.1687, 0.3383,
0.4073

■ 21.5530, 0.3572,
0.4876

■ 23.8331, 0.3301,
0.3804

■ 21.1306, 0.3601,
0.5105

■ 24.5645, 0.3217,
0.3546

■ 20.7607, 0.3609,
0.5297

■ 25.3654, 0.3132,
0.3304

■ 20.4391, 0.3594,
0.5444

■ 26.2380, 0.3050,
0.3080

■ 20.1705, 0.3565,
0.5551

■ 27.1843, 0.2971,
0.2876

■ 28.2064, 0.2896,
0.2691

■ 29.3060, 0.2826,
0.2523

■ 30.4852, 0.2761,
0.2373

Harmonies

Analogous

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



22.5681, 0.3964, 0.4230



22.5681, 0.3458, 0.4348



22.5681, 0.2890, 0.4104

Triad

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



22.5681, 0.3458, 0.4348



22.5681, 0.2103, 0.2576



22.5681, 0.3861, 0.2993

Complementary

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



22.5681, 0.3458, 0.4348



10.7474, 0.2672, 0.2177

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.



22.5681, 0.3291, 0.2636



22.5681, 0.3458, 0.4348



22.5681, 0.2304, 0.2390

Square

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



22.5681, 0.3458, 0.4348



22.5681, 0.2137, 0.2988



22.5681, 0.2722, 0.2420



22.5681, 0.4228, 0.3431

Rectangle

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



22.5681, 0.3458, 0.4348



22.5681, 0.2553, 0.3764



22.5681, 0.2722, 0.2420



22.5681, 0.3684, 0.2862

Sweetspot

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



22.5691, 0.3458, 0.4348



43.0765, 0.3231, 0.3587



15.6173, 0.3952, 0.3672



9.6300, 0.3240, 0.3615



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.5691, 0.3458, 0.4348



38.8833, 0.3519, 0.4605



20.9320, 0.3147, 0.4459



5.7529, 0.3204, 0.3510



18.5018, 0.3568, 0.5549



0.1313, 0.3859, 0.5318

Inverse Universe

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



10.7474, 0.2672, 0.2177



14.9924, 0.2536, 0.1890



12.6541, 0.3063, 0.2295



4.9776, 0.3045, 0.3068



2.3520, 0.1831, 0.0782



0.0235, 0.2319, 0.1051

Previews

White Background



This preview shows how the Yxy color 22.5681, 0.3458, 0.4348 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 22.5681, 0.3458, 0.4348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

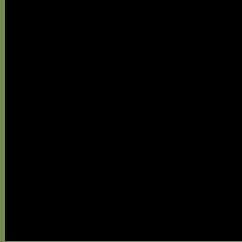
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5681, 0.3458, 0.4348

Background



This preview shows how black text looks on a background with the Yxy color 22.5681, 0.3458, 0.4348.



This preview shows how white text looks on a background with the Yxy color 22.5681, 0.3458, 0.4348.

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

22.5681, 0.3458, 0.4348

Protanopia

22.3694, 0.3858, 0.4165

Deuteranopia

22.4912, 0.4007, 0.3939



Tritanopia

22.5157, 0.2957, 0.3114

Trichromacy



Original Color

22.5681, 0.3458, 0.4348

Protanomaly

22.4226, 0.3713, 0.4233

Deuteranomaly

22.3561, 0.3791, 0.4087

Tritanomaly

22.5438, 0.3138, 0.3547

Monochromacy



Original Color

22.5681, 0.3458, 0.4348

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.2070, 0.3261, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5681, 0.3458, 0.4348 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(117, 138, 82)` looks like.

```
.text, #text, p{  
    color:rgb(117, 138, 82)  
}
```

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(117, 138, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 138, 82) }
```

Border

The CSS property to change the border of an element to Yxy 22.5681, 0.3458, 0.4348 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(117, 138, 82) }
```

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

```
.border{ border-color:rgb(117, 138, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 138, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 138, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 138, 82);  
box-shadow:4px 4px 4px 4px rgb(117, 138,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5681, 0.3458, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 138, 82) }
```

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

```
.background{ background-color: rgb(117,  
138, 82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor