

Converting Colors

$Y_{xy}(22.2120, 0.3442, 0.4343)$

Have a look what the booklet for
Yxy(22.2120, 0.3442, 0.4343)
contains.

Yxy(22.1454, 0.3438, 0.4341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1454, 0.3438, 0.4341)

Conversions

Conversions Part 1

Format	Color
Hex	738952
RGB	115, 137, 82
RGB Percent	45%, 54%, 32%
CMY	0.5490, 0.4627, 0.6785
CMYK	0.16, 0.00, 0.40, 0.46
HSL	84°, 25%, 43%
HSV	84°, 40%, 54%
XYZ	17.5388, 22.1454, 11.3303
YIQ	124.1520, 4.5430, -21.7690

Conversions

Conversions Part 2

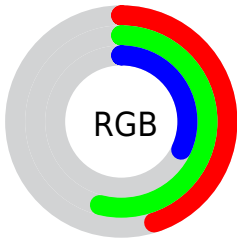
Format	Color
R_{YB}	82, 137, 104
Decimal	7571794
CIE _{Lab}	54.18, -17.85, 26.93
CIE _{LCh}	54, 32.307, 123.531
Y _{xy}	22.1454, 0.3438, 0.4341
Android (android.graphics.Color)	4285761874 (0xFF738952)
YUV	124.1520, -20.7809, -8.0263
Hunter-Lab	47.0589, -15.8264, 18.6660

Details

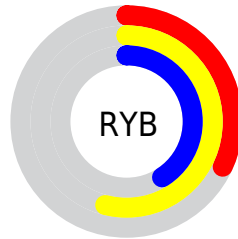
The Yxy color **22.1454, 0.3438, 0.4341** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.7817, 0.2698, 0.2197**, and the grayscale version is **20.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8177, 0.3386, 0.4094**, and **8.1020, 0.3515, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **21.5977, 0.3499, 0.4616**, and if you desaturate by 10%, it is **22.7587, 0.3367, 0.4064**.

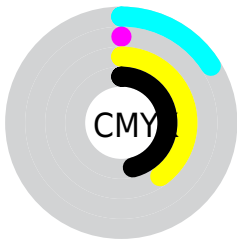
Distribution



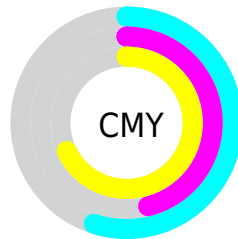
- Red (45%)
- Green (54%)
- Blue (32%)



- Red (32%)
- Yellow (54%)
- Blue (41%)



- Cyan (16%)
- Magenta (0%)
- Yellow (40%)
- Black (46%)



- Cyan (55%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1454, 0.3438, 0.4341 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 22.1454, 0.3438, 0.4341 by changing the saturation by 10% instead.

■ 22.1454, 0.3438,
0.4341

■ 22.1454, 0.3438,
0.4341

■ 263.3046, 0.3280,
0.3733

■ 13.9638, 0.3474,
0.4526

■ 46.9862, 0.3382,
0.4097

■ 8.0955, 0.3513,
0.4785

■ 64.4142, 0.3360,
0.4012

■ 4.1561, 0.3545,
0.5169

■ 85.6930, 0.3342,
0.3944

■ 1.7613, 0.3791,
0.6209

■ 111.2072, 0.3326,
0.3887

■ 0.4629, 0.0092,
0.9908

■ 141.3410, 0.3312,
0.3839

■ 0.0000, 0.0000,
0.0000

176.4790, 0.3300,

0.3798

217.0054, 0.3289,
0.3763

■ 22.1454, 0.3438,
0.4341

■ 22.1454, 0.3438,
0.4341

■ 21.5977, 0.3499,
0.4616

■ 22.7587, 0.3367,
0.4064

■ 21.1100, 0.3544,
0.4878

■ 23.4375, 0.3289,
0.3793

■ 20.6799, 0.3571,
0.5114

■ 24.1851, 0.3209,
0.3535


■ 20.3040, 0.3576,
0.5312

■ 25.0039, 0.3128,
0.3294

■ 19.9783, 0.3559,
0.5465

■ 25.8962, 0.3050,
0.3071

 19.6958, 0.3527,
0.5582

 26.8639, 0.2974,
0.2869

 27.9092, 0.2903,
0.2685

 29.0340, 0.2836,
0.2520

 30.2401, 0.2774,
0.2371

Harmonies

Analogous

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



22.1454, 0.3946, 0.4234



22.1454, 0.3438, 0.4341



22.1454, 0.2873, 0.4086

Triad

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



22.1454, 0.3438, 0.4341



22.1454, 0.2110, 0.2569



22.1454, 0.3875, 0.3008

Complementary

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



22.1454, 0.3438, 0.4341



10.7817, 0.2698, 0.2197

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.



22.1454, 0.3311, 0.2649



22.1454, 0.3438, 0.4341



22.1454, 0.2318, 0.2392

Square

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



22.1454, 0.3438, 0.4341



22.1454, 0.2136, 0.2973



22.1454, 0.2741, 0.2428



22.1454, 0.4230, 0.3446

Rectangle

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



22.1454, 0.3438, 0.4341



22.1454, 0.2540, 0.3742



22.1454, 0.2741, 0.2428



22.1454, 0.3700, 0.2877

Sweetspot

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



22.1464, 0.3438, 0.4341



43.0159, 0.3226, 0.3588



15.6438, 0.3932, 0.3684



9.6153, 0.3235, 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.



22.1464, 0.3438, 0.4341



38.7778, 0.3493, 0.4586



20.5960, 0.3137, 0.4447



5.7468, 0.3201, 0.3510



18.3526, 0.3529, 0.5580



0.1305, 0.3833, 0.5339

Inverse Universe

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



10.7817, 0.2698, 0.2197



15.5501, 0.2575, 0.1930



12.6315, 0.3078, 0.2310



4.9835, 0.3049, 0.3068



2.4401, 0.1871, 0.0804



0.0243, 0.2365, 0.1076

Previews

White Background



This preview shows how the Yxy color 22.1454, 0.3438, 0.4341 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 22.1454, 0.3438, 0.4341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

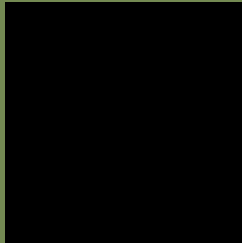
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1454, 0.3438, 0.4341

Background



This preview shows how black text looks on a background with the Yxy color 22.1454, 0.3438, 0.4341.



This preview shows how white text looks on a background with the Yxy color 22.1454, 0.3438, 0.4341.

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

22.1454, 0.3438, 0.4341

Protanopia

21.9277, 0.3839, 0.4158

Deuteranopia

22.0397, 0.3988, 0.3930



Tritanopia

22.0697, 0.2945, 0.3112

Trichromacy



Original Color

22.1454, 0.3438, 0.4341

Protanomaly

21.9872, 0.3694, 0.4226

Deuteranomaly

21.9161, 0.3772, 0.4079

Tritanomaly

22.1000, 0.3126, 0.3550

Monochromacy



Original Color

22.1454, 0.3438, 0.4341

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8696, 0.3251, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1454, 0.3438, 0.4341 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(115, 137, 82)` looks like.

```
.text, #text, p{  
    color:rgb(115, 137, 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(115, 137, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 137, 82) }
```

Border

The CSS property to change the border of an element to Yxy 22.1454, 0.3438, 0.4341 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(115, 137, 82) }
```

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

```
.border{ border-color:rgb(115, 137, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 137, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 137, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 137, 82);  
box-shadow:4px 4px 4px 4px rgb(115, 137,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1454, 0.3438, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 137, 82) }
```

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

```
.background{ background-color: rgb(115,  
137, 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