

Converting Colors

$Y_{xy}(21.9521, 0.3452, 0.4424)$

Have a look what the booklet for
Yxy(21.9521, 0.3452, 0.4424)
contains.

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Color

Yxy(21.9521, 0.3452, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	71894E
RGB	113, 137, 78
RGB Percent	44%, 54%, 31%
CMY	0.5569, 0.4627, 0.6942
CMYK	0.18, 0.00, 0.43, 0.46
HSL	84°, 27%, 42%
HSV	84°, 43%, 54%
XYZ	17.1290, 21.9521, 10.5394
YIQ	123.0980, 4.6350, -23.4370

Conversions

Conversions Part 2

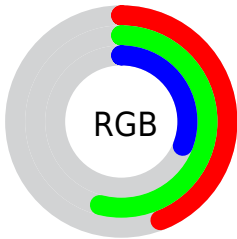
Format	Color
RYB	78, 137, 102
Decimal	7440718
CIELab	53.98, -19.20, 28.82
CIElCh	54, 34.628, 123.669
Yxy	21.9521, 0.3452, 0.4424
Android (android.graphics.Color)	4285630798 (0xFF71894E)
YUV	123.0980, -22.2333, -8.8559
Hunter-Lab	46.8531, -16.7351, 19.4601

Details

The Yxy color **21.9521, 0.3452, 0.4424** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.0787, 0.2664, 0.2111**, and the grayscale version is **19.9141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4924, 0.3398, 0.4154**, and **7.9721, 0.3519, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **21.4181, 0.3508, 0.4697**, and if you desaturate by 10%, it is **22.5517, 0.3385, 0.4145**.

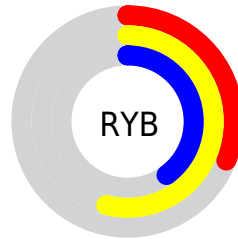
Distribution



Red (44%)

Green (54%)

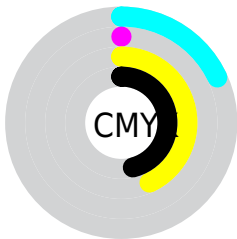
Blue (31%)



Red (31%)

Yellow (54%)

Blue (40%)

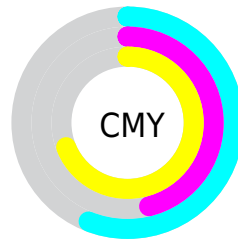


Cyan (18%)

Magenta (0%)

Yellow (43%)

Black (46%)



Cyan (56%)


Magenta (46%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9521, 0.3452, 0.4424 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 21.9521, 0.3452, 0.4424 by changing the saturation by 10% instead.


 21.9521, 0.3452,
0.4424


 21.9521, 0.3452,
0.4424


262.2960, 0.3289,
0.3766


 13.8217, 0.3487,
0.4624


 46.6668, 0.3395,
0.4160


 7.9968, 0.3522,
0.4904


 64.0199, 0.3373,
0.4068


 4.0929, 0.3546,
0.5317

 85.2161, 0.3354,
0.3994

 1.7257, 0.3697,
0.6303

 110.6396, 0.3337,
0.3933

 0.4402, 0.0000,
1.0000

 140.6750, 0.3323,
0.3881

 0.0000, 0.0000,
0.0000

175.7066, 0.3310,

0.3837

216.1188, 0.3299,
0.3799

■ 21.9521, 0.3452,
0.4424

■ 21.9521, 0.3452,
0.4424

■ 21.4181, 0.3508,
0.4697

■ 22.5517, 0.3385,
0.4145

■ 20.9438, 0.3547,
0.4954

■ 23.2168, 0.3310,
0.3871

■ 20.5270, 0.3567,
0.5182


■ 23.9508, 0.3231,
0.3609

■ 20.1639, 0.3564,
0.5369

■ 24.7562, 0.3151,
0.3362


■ 19.8503, 0.3539,
0.5508


■ 25.6352, 0.3073,
0.3134

 19.6535, 0.3516,
0.5590

 26.5900, 0.2998,
0.2926

 27.6227, 0.2926,
0.2737

 28.7351, 0.2859,
0.2567

 29.9293, 0.2796,
0.2414

Harmonies

Analogous

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



21.9521, 0.3998, 0.4301



21.9521, 0.3452, 0.4424



21.9521, 0.2848, 0.4150

Triad

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



21.9521, 0.3452, 0.4424



21.9521, 0.2043, 0.2515



21.9521, 0.3933, 0.2989

Complementary

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



21.9521, 0.3452, 0.4424



10.0787, 0.2664, 0.2111

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.



21.9521, 0.3325, 0.2608



21.9521, 0.3452, 0.4424



21.9521, 0.2265, 0.2331

Square

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



21.9521, 0.3452, 0.4424



21.9521, 0.2069, 0.2942



21.9521, 0.2714, 0.2373



21.9521, 0.4314, 0.3452

Rectangle

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



21.9521, 0.3452, 0.4424



21.9521, 0.2494, 0.3774



21.9521, 0.2714, 0.2373



21.9521, 0.3745, 0.2849

Sweetspot

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



21.9531, 0.3452, 0.4424



42.8577, 0.3233, 0.3614



15.2923, 0.4002, 0.3731



9.5530, 0.3248, 0.3664



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.



21.9531, 0.3452, 0.4424



38.3451, 0.3508, 0.4699



20.3231, 0.3126, 0.4548



5.7451, 0.3200, 0.3510



18.3121, 0.3518, 0.5589



0.1302, 0.3825, 0.5345

Inverse Universe

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



10.0787, 0.2664, 0.2111



14.0840, 0.2523, 0.1811



12.0870, 0.3087, 0.2245



4.9851, 0.3050, 0.3068



2.4659, 0.1883, 0.0811



0.0246, 0.2377, 0.1083

Previews

White Background



This preview shows how the Yxy color 21.9521, 0.3452, 0.4424 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 21.9521, 0.3452, 0.4424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

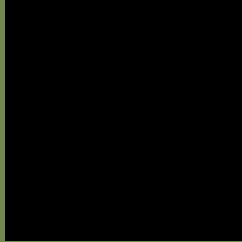
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9521, 0.3452, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 21.9521, 0.3452, 0.4424.



This preview shows how white text looks on a background with the Yxy color 21.9521, 0.3452, 0.4424.

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

21.9521, 0.3452, 0.4424

Protanopia

21.8712, 0.3882, 0.4223

Deuteranopia

21.7286, 0.4043, 0.3977



Tritanopia

21.9237, 0.2923, 0.3111

Trichromacy



Original Color

21.9521, 0.3452, 0.4424

Protanomaly

21.8496, 0.3722, 0.4299

Deuteranomaly

21.5930, 0.3822, 0.4130

Tritanomaly

21.9110, 0.3124, 0.3590

Monochromacy



Original Color

21.9521, 0.3452, 0.4424

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.4218, 0.3251, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9521, 0.3452, 0.4424 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(113, 137, 78)` looks like.

```
.text, #text, p{  
    color:rgb(113, 137, 78)  
}
```

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(113, 137, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 137, 78) }
```

Border

The CSS property to change the border of an element to Yxy 21.9521, 0.3452, 0.4424 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(113, 137, 78) }
```

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

```
.border{ border-color:rgb(113, 137, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 137, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 137, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 137, 78);  
box-shadow:4px 4px 4px 4px rgb(113, 137,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9521, 0.3452, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 137, 78) }
```

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

```
.background{ background-color: rgb(113,  
137, 78) }
```

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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