

Converting Colors

$Yxy(21.9994, 0.3354, 0.4918)$

Have a look what the booklet for
Yxy(21.9994, 0.3354, 0.4918)
contains.

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Color

Yxy(21.9994, 0.3354, 0.4918)

Conversions

Conversions Part 1

Format	Color
Hex	5D8E3C
RGB	93, 142, 60
RGB Percent	36%, 56%, 24%
CMY	0.6353, 0.4431, 0.7647
CMYK	0.35, 0.00, 0.58, 0.44
HSL	96°, 41%, 40%
HSV	96°, 58%, 56%
XYZ	15.0033, 21.9994, 7.7298
YIQ	118.0010, -2.8820, -35.8900

Conversions

Conversions Part 2

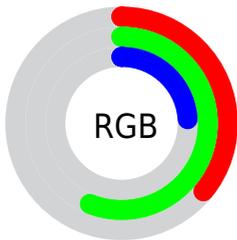
Format	Color
R_{YB}	60, 142, 109
Decimal	6131260
CIE Lab	54.03, -31.62, 37.92
CIE LCh	54, 49.373, 129.819
Yxy	21.9994, 0.3354, 0.4918
Android (android.graphics.Color)	4284321340 (0xFF5D8E3C)
YUV	118.0010, -28.5945, -21.9259
Hunter-Lab	46.9035, -24.9835, 23.0614

Details

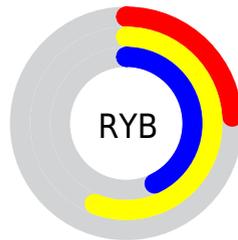
The Yxy color **21.9994, 0.3354, 0.4918** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.4351, 0.2680, 0.1765**, and the grayscale version is **18.2098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7166, 0.3338, 0.4532**, and **7.9711, 0.3311, 0.5617** is the 20% darker color. If you saturate the color by 10%, you get **21.4513, 0.3358, 0.5195**, and if you desaturate by 10%, it is **22.6388, 0.3334, 0.4620**.

Distribution



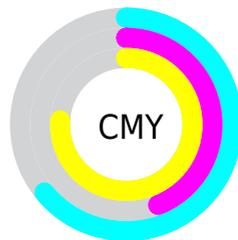
- Red (36%)
- Green (56%)
- Blue (24%)



- Red (24%)
- Yellow (56%)
- Blue (43%)



- Cyan (35%)
- Magenta (0%)
- Yellow (58%)
- Black (44%)



- Cyan (64%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9994, 0.3354, 0.4918 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 21.9994, 0.3354, 0.4918 by changing the saturation by 10% instead.

 21.9994, 0.3354,
0.4918

 21.9994, 0.3354,
0.4918

262.5431, 0.3271,
0.3961

 13.8565, 0.3349,
0.5209

 46.7450, 0.3338,
0.4532

 8.0209, 0.3314,
0.5611

 64.1165, 0.3327,
0.4399

 4.1083, 0.3283,
0.6339

 85.3329, 0.3316,
0.4291

 1.7343, 0.2887,
0.7113

 110.7786, 0.3305,
0.4202

 0.4457, 0.0000,
1.0000

 140.8382, 0.3296,
0.4127

 0.0000, 0.0000,
0.0000

 175.8958, 0.3287,

0.4064

216.3360, 0.3278,
0.4009

■ 21.9994, 0.3354,
0.4918

■ 21.9994, 0.3354,
0.4918

■ 21.4513, 0.3358,
0.5195

■ 22.6388, 0.3334,
0.4620

■ 20.9868, 0.3344,
0.5436

■ 23.3712, 0.3302,
0.4317

■ 20.6013, 0.3313,
0.5626

■ 24.2016, 0.3262,
0.4020

■ 20.2856, 0.3268,
0.5765

■ 25.1339, 0.3215,
0.3739

■ 20.2212, 0.3258,
0.5795

■ 26.1717, 0.3166,
0.3477

■ 27.3184, 0.3116,
0.3238

■ 28.5773, 0.3066,
0.3023

■ 29.9515, 0.3019,
0.2830

■ 31.4440, 0.2973,
0.2658

Harmonies

Analogous

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



21.9994, 0.4148, 0.4751



21.9994, 0.3354, 0.4918



21.9994, 0.2543, 0.4412

Triad

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



21.9994, 0.3354, 0.4918



21.9994, 0.1705, 0.2135



21.9994, 0.4423, 0.2972

Complementary

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



21.9994, 0.3354, 0.4918



8.4351, 0.2680, 0.1765

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.



21.9994, 0.3579, 0.2453



21.9994, 0.3354, 0.4918



21.9994, 0.2049, 0.1985

Square

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



21.9994, 0.3354, 0.4918



21.9994, 0.1662, 0.2616



21.9994, 0.2697, 0.2104



21.9994, 0.4853, 0.3580

Rectangle

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



21.9994, 0.3354, 0.4918



21.9994, 0.2106, 0.3787



21.9994, 0.2697, 0.2104



21.9994, 0.4170, 0.2785

Sweetspot

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



22.0004, 0.3354, 0.4918



44.3890, 0.3213, 0.3728



16.7671, 0.4257, 0.4122



9.8484, 0.3222, 0.3774



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.0004, 0.3354, 0.4918



37.5922, 0.3356, 0.5264



20.7104, 0.2996, 0.4946



6.1287, 0.3173, 0.3513



18.1653, 0.3261, 0.5792



0.1859, 0.3608, 0.5517

Inverse Universe

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



8.4351, 0.2680, 0.1765



11.3163, 0.2547, 0.1465



10.7364, 0.3296, 0.2063



5.4042, 0.3077, 0.3069



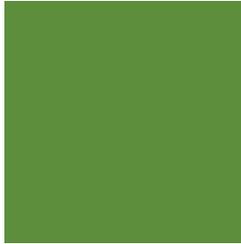
3.4916, 0.2249, 0.1012



0.0463, 0.2688, 0.1254

Previews

White Background



This preview shows how the Yxy color 21.9994, 0.3354, 0.4918 looks on a white background.

Color Contrast Check

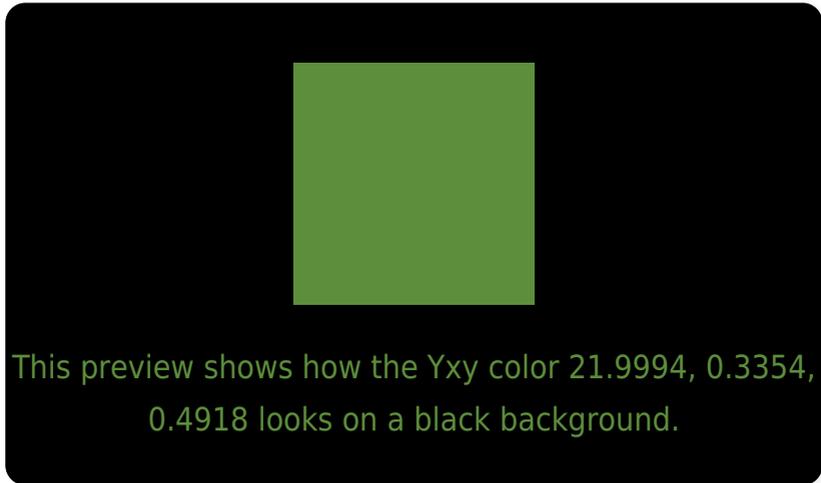
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

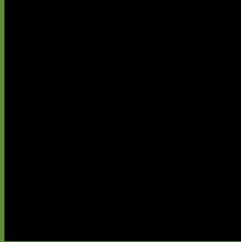
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9994, 0.3354, 0.4918

Background



This preview shows how black text looks on a background with the Yxy color 21.9994, 0.3354, 0.4918.



This preview shows how white text looks on a background with the Yxy color 21.9994, 0.3354, 0.4918.

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

21.9994, 0.3354, 0.4918

Protanopia

21.8257, 0.4091, 0.4489

Deuteranopia

21.8167, 0.4257, 0.4196



Tritanopia

21.8528, 0.2735, 0.3087

Trichromacy



Original Color

21.9994, 0.3354, 0.4918

Protanomaly

21.7056, 0.3807, 0.4663

Deuteranomaly

21.3925, 0.3902, 0.4461

Tritanomaly

21.5673, 0.2978, 0.3744

Monochromacy



Original Color

21.9994, 0.3354, 0.4918

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.2930, 0.3241, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9994, 0.3354, 0.4918 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, 142, 60)` looks like.

```
.text, #text, p{  
    color:rgb(93, 142, 60)  
}
```

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, 142, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 142, 60) }
```

Border

The CSS property to change the border of an element to Yxy 21.9994, 0.3354, 0.4918 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, 142, 60) }
```

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

```
.border{ border-color:rgb(93, 142, 60) }
```

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

Here you see how a box with a 4 pixel rgb(93, 142, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 142, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 142, 60);  
box-shadow:4px 4px 4px 4px rgb(93, 142,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9994, 0.3354, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 142, 60) }
```

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

```
.background{ background-color: rgb(93, 142,  
60) }
```

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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