

Converting Colors

$Y_{xy}(21.4620, 0.3308, 0.4640)$

Have a look what the booklet for
Yxy(21.4620, 0.3308, 0.4640)
contains.

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Color

Yxy(21.4745, 0.3313, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	618B48
RGB	97, 139, 72
RGB Percent	38%, 55%, 28%
CMY	0.6197, 0.4549, 0.7177
CMYK	0.30, 0.00, 0.48, 0.45
HSL	98°, 32%, 41%
HSV	98°, 48%, 55%
XYZ	15.3297, 21.4745, 9.4671
YIQ	118.8040, -3.5250, -29.7410

Conversions

Conversions Part 2

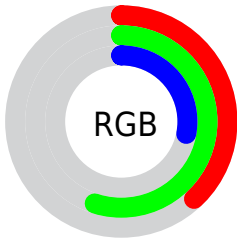
Format	Color
RYB	72, 139, 114
Decimal	6392648
CIELab	53.46, -27.25, 31.16
CIElCh	53, 41.398, 131.168
Yxy	21.4745, 0.3313, 0.4641
Android (android.graphics.Color)	4284582728 (0xFF618B48)
YUV	118.8040, -23.0744, -19.1221
Hunter-Lab	46.3406, -22.0474, 20.3258

Details

The Yxy color $21.4745, 0.3313, 0.4641$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.0784, 0.2805, 0.2030$, and the grayscale version is $18.4562, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9346, 0.3289, 0.4319$, and $7.8193, 0.3300, 0.5245$ is the 20% darker color. If you saturate the color by 10%, you get $20.8612, 0.3328, 0.4942$, and if you desaturate by 10%, it is $22.1833, 0.3286, 0.4335$.

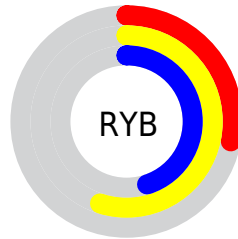
Distribution



Red (38%)

Green (55%)

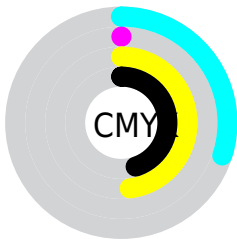
Blue (28%)



Red (28%)

Yellow (55%)

Blue (45%)

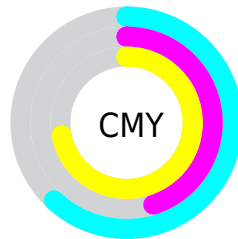


Cyan (30%)

Magenta (0%)

Yellow (48%)

Black (45%)



Cyan (62%)


Magenta (45%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4745, 0.3313, 0.4641 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 21.4745, 0.3313, 0.4641 by changing the saturation by 10% instead.


 21.4745, 0.3313,
0.4641


 21.4745, 0.3313,
0.4641


259.7896, 0.3237,
0.3845


 13.4713, 0.3316,
0.4889


 45.8759, 0.3294,
0.4318


 7.7539, 0.3304,
0.5239


 63.0429, 0.3283,
0.4207

 3.9379, 0.3258,
0.5787

 84.0333, 0.3274,
0.4117

 1.6389, 0.3144,
0.6856

 109.2314, 0.3265,
0.4044

 0.3836, 0.0000,
1.0000

 139.0217, 0.3257,
0.3982

 0.0000, 0.0000,
0.0000

173.7886, 0.3249,

0.3929

213.9164, 0.3243,
0.3884

■ 21.4745, 0.3313,
0.4641

■ 21.4745, 0.3313,
0.4641

■ 20.8612, 0.3328,
0.4942

■ 22.1833, 0.3286,
0.4335

■ 20.3362, 0.3328,
0.5222

■ 22.9891, 0.3250,
0.4035

■ 19.8955, 0.3312,
0.5465


■ 23.8965, 0.3209,
0.3751


■ 19.5334, 0.3279,
0.5656

■ 24.9094, 0.3164,
0.3488


■ 19.2402, 0.3234,
0.5796

■ 26.0311, 0.3119,
0.3249

 19.1927, 0.3227,
0.5820

 27.2650, 0.3074,
0.3033

 28.6142, 0.3030,
0.2840

 30.0816, 0.2989,
0.2669

 31.6703, 0.2949,
0.2517

Harmonies

Analogous

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



21.4745, 0.4000, 0.4565



21.4745, 0.3313, 0.4641



21.4745, 0.2614, 0.4188

Triad

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



21.4745, 0.3313, 0.4641



21.4745, 0.1895, 0.2286



21.4745, 0.4249, 0.3052

Complementary

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



21.4745, 0.3313, 0.4641



10.0784, 0.2805, 0.2030

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.



21.4745, 0.3552, 0.2584



21.4745, 0.3313, 0.4641



21.4745, 0.2216, 0.2154

Square

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



21.4745, 0.3313, 0.4641



21.4745, 0.1849, 0.2705



21.4745, 0.2797, 0.2266



21.4745, 0.4600, 0.3596

Rectangle

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



21.4745, 0.3313, 0.4641



21.4745, 0.2236, 0.3676



21.4745, 0.2797, 0.2266



21.4745, 0.4042, 0.2884

Sweetspot

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



21.4754, 0.3313, 0.4641



43.4737, 0.3192, 0.3646



17.8396, 0.4015, 0.4033



9.9385, 0.3200, 0.3698



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.



21.4754, 0.3313, 0.4641



37.2473, 0.3329, 0.4973



20.4218, 0.2995, 0.4583



5.6931, 0.3169, 0.3512



17.3291, 0.3230, 0.5818



0.1230, 0.3570, 0.5547

Inverse Universe

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



10.0784, 0.2805, 0.2030



14.2560, 0.2703, 0.1746



11.7679, 0.3299, 0.2274



5.0374, 0.3082, 0.3071



3.5297, 0.2316, 0.1049



0.0318, 0.2732, 0.1279

Previews

White Background



This preview shows how the Yxy color 21.4745, 0.3313, 0.4641 looks on a white background.

Color Contrast Check

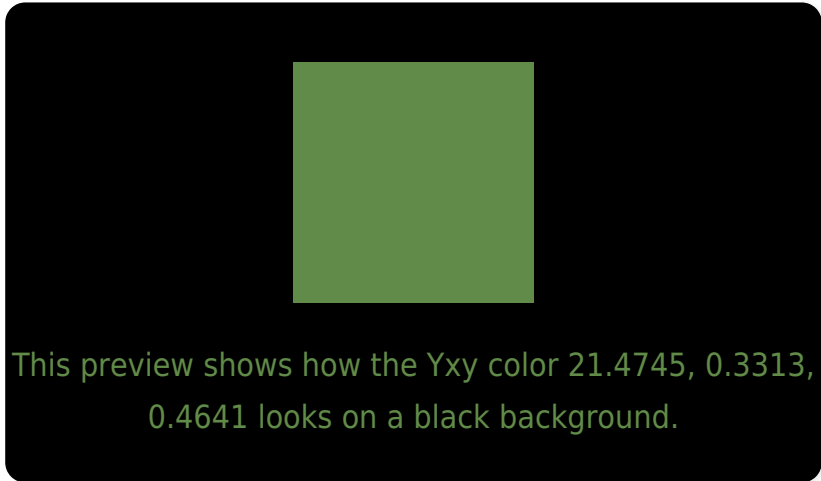
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4745, 0.3313, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 21.4745, 0.3313, 0.4641.



This preview shows how white text looks on a background with the Yxy color 21.4745, 0.3313, 0.4641.

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

21.4745, 0.3313, 0.4641

Protanopia

21.1715, 0.3957, 0.4308

Deuteranopia

21.0666, 0.4104, 0.4027



Tritanopia

21.3737, 0.2770, 0.3086

Trichromacy



Original Color

21.4745, 0.3313, 0.4641

Protanomaly

20.9474, 0.3708, 0.4438

Deuteranomaly

20.9329, 0.3785, 0.4245

Tritanomaly

21.2776, 0.2970, 0.3622

Monochromacy



Original Color

21.4745, 0.3313, 0.4641

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.2605, 0.3212, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4745, 0.3313, 0.4641 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(97, 139, 72)` looks like.

```
.text, #text, p{  
    color:rgb(97, 139, 72)  
}
```

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(97, 139, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 139, 72) }
```

Border

The CSS property to change the border of an element to Yxy 21.4745, 0.3313, 0.4641 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(97, 139, 72) }
```

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

```
.border{ border-color:rgb(97, 139, 72) }
```

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

Here you see how a box with a 4 pixel rgb(97, 139, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 139, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 139, 72);  
box-shadow:4px 4px 4px 4px rgb(97, 139,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4745, 0.3313, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 139, 72) }
```

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

```
.background{ background-color: rgb(97, 139,  
72) }
```

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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