

Converting Colors

$Y_{xy}(21.3115, 0.3151, 0.4738)$

Have a look what the booklet for
Yxy(21.3115, 0.3151, 0.4738)
contains.

Yxy(21.3115, 0.3151, 0.4738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3115, 0.3151, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	528D48
RGB	82, 141, 72
RGB Percent	32%, 55%, 28%
CMY	0.6785, 0.4470, 0.7177
CMYK	0.42, 0.00, 0.49, 0.45
HSL	111°, 32%, 42%
HSV	111°, 49%, 55%
XYZ	14.1732, 21.3115, 9.4953
YIQ	115.4930, -13.0150, -33.9670

Conversions

Conversions Part 2

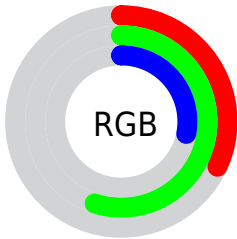
Format	Color
RYB	72, 141, 131
Decimal	5410120
CIELab	53.29, -33.52, 30.77
CIELCh	53, 45.500, 137.443
Yxy	21.3115, 0.3151, 0.4738
Android (android.graphics.Color)	4283600200 (0xFF528D48)
YUV	115.4930, -21.4420, -29.3734
Hunter-Lab	46.1644, -25.9854, 20.1201

Details

The Yxy color **21.3115, 0.3151, 0.4738** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3824, 0.3031, 0.2092**, and the grayscale version is **17.3709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5863, 0.3173, 0.4380**, and **7.6437, 0.3066, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **20.6552, 0.3142, 0.5067**, and if you desaturate by 10%, it is **22.1068, 0.3154, 0.4404**.

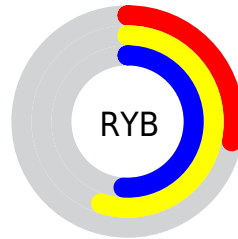
Distribution



Red (32%)

Green (55%)

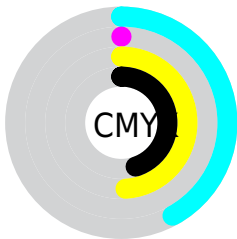
Blue (28%)



Red (28%)

Yellow (55%)

Blue (51%)

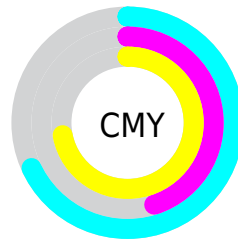


Cyan (42%)

Magenta (0%)

Yellow (49%)

Black (45%)



Cyan (68%)


Magenta (45%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3115, 0.3151, 0.4738 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 21.3115, 0.3151, 0.4738 by changing the saturation by 10% instead.


 21.3115, 0.3151,
0.4738


 21.3115, 0.3151,
0.4738

258.9293, 0.3170,
0.3876


 13.3519, 0.3125,
0.5012


 45.6054, 0.3171,
0.4384


 7.6713, 0.3069,
0.5404


 62.7084, 0.3173,
0.4264

 3.8854, 0.2956,
0.6027

 83.6281, 0.3174,
0.4168

 1.6096, 0.2649,
0.7351

 108.7488, 0.3174,
0.4088

 0.3641, 0.0000,
1.0000

 138.4548, 0.3174,
0.4022

 0.0000, 0.0000,
0.0000

173.1307, 0.3173,

0.3966

213.1607, 0.3171,
0.3917

■ 21.3115, 0.3151,
0.4738

■ 21.3115, 0.3151,
0.4738

■ 20.6552, 0.3142,
0.5067

■ 22.1068, 0.3154,
0.4404

■ 20.1273, 0.3126,
0.5371

■ 23.0457, 0.3152,
0.4082

■ 19.7201, 0.3104,
0.5629


■ 24.1357, 0.3145,
0.3782

■ 19.4235, 0.3077,
0.5820


■ 25.3833, 0.3137,
0.3509


■ 19.2218, 0.3051,
0.5949


■ 26.7944, 0.3126,
0.3266

 19.2046, 0.3049,
0.5961

 28.3746, 0.3114,
0.3051

 30.1293, 0.3103,
0.2863

 32.0636, 0.3091,
0.2698

 34.1825, 0.3079,
0.2555

Harmonies

Analogous

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



21.3115, 0.3921, 0.4746



21.3115, 0.3151, 0.4738



21.3115, 0.2417, 0.4121

Triad

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



21.3115, 0.3151, 0.4738



21.3115, 0.1840, 0.2141



21.3115, 0.4484, 0.3140

Complementary

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



21.3115, 0.3151, 0.4738



11.3824, 0.3031, 0.2092

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.



21.3115, 0.3768, 0.2616



21.3115, 0.3151, 0.4738



21.3115, 0.2243, 0.2064

Square

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



21.3115, 0.3151, 0.4738



21.3115, 0.1727, 0.2517



21.3115, 0.2923, 0.2235



21.3115, 0.4758, 0.3730

Rectangle

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



21.3115, 0.3151, 0.4738



21.3115, 0.2048, 0.3522



21.3115, 0.2923, 0.2235



21.3115, 0.4282, 0.2954

Sweetspot

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



21.3124, 0.3151, 0.4738



43.9961, 0.3142, 0.3680



22.2705, 0.3900, 0.4295



9.7373, 0.3144, 0.3731



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.



21.3124, 0.3151, 0.4738



36.8495, 0.3140, 0.5109



21.2758, 0.2861, 0.4251



6.0646, 0.3137, 0.3516



17.5142, 0.3051, 0.5960



0.1732, 0.3247, 0.5804

Inverse Universe

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



11.3824, 0.3031, 0.2092



16.8281, 0.2996, 0.1848



11.5774, 0.3570, 0.2504



5.4720, 0.3116, 0.3072



5.4370, 0.2855, 0.1346



0.0590, 0.3039, 0.1448

Previews

White Background



This preview shows how the Yxy color 21.3115, 0.3151, 0.4738 looks on a white background.

Color Contrast Check

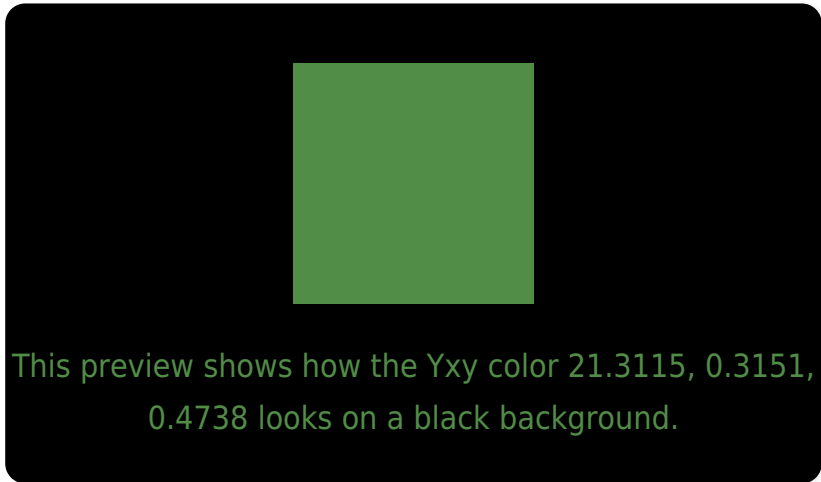
Large Text (above 18pt) WCAG AA ✓ Pass

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

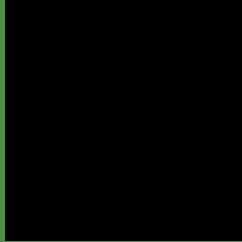
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3115, 0.3151, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 21.3115, 0.3151, 0.4738.



This preview shows how white text looks on a background with the Yxy color 21.3115, 0.3151, 0.4738.

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

21.3115, 0.3151, 0.4738

Protanopia

21.1594, 0.3967, 0.4323

Deuteranopia

20.9829, 0.4080, 0.4016



Tritanopia

21.2216, 0.2633, 0.3081

Trichromacy



Original Color

21.3115, 0.3151, 0.4738

Protanomaly

20.8541, 0.3638, 0.4480

Deuteranomaly

20.4584, 0.3706, 0.4274

Tritanomaly

21.0900, 0.2822, 0.3653

Monochromacy



Original Color

21.3115, 0.3151, 0.4738

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1997, 0.3151, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3115, 0.3151, 0.4738 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(82, 141, 72)` looks like.

```
.text, #text, p{  
    color:rgb(82, 141, 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(82, 141, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 141, 72) }
```

Border

The CSS property to change the border of an element to Yxy 21.3115, 0.3151, 0.4738 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(82, 141, 72) }
```

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

```
.border{ border-color:rgb(82, 141, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 141, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 141, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 141, 72);  
box-shadow:4px 4px 4px 4px rgb(82, 141,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3115, 0.3151, 0.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 141, 72) }
```

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

```
.background{ background-color: rgb(82, 141,  
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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