

Converting Colors

$Y_{xy}(21.1129, 0.3089, 0.4070)$

Have a look what the booklet for
Yxy(21.1129, 0.3089, 0.4070)
contains.

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Color

Yxy(21.0868, 0.3091, 0.4062)

Conversions

Conversions Part 1

Format	Color
Hex	628862
RGB	98, 136, 98
RGB Percent	38%, 53%, 38%
CMY	0.6157, 0.4667, 0.6157
CMYK	0.28, 0.00, 0.28, 0.47
HSL	120°, 16%, 46%
HSV	120°, 28%, 53%
XYZ	16.0461, 21.0868, 14.7794
YIQ	120.3060, -10.4500, -19.8740

Conversions

Conversions Part 2

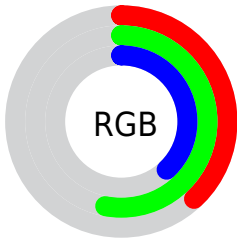
Format	Color
RYB	98, 136, 136
Decimal	6457442
CIELab	53.04, -21.26, 16.26
CIElCh	53, 26.766, 142.599
Yxy	21.0868, 0.3091, 0.4062
Android (android.graphics.Color)	4284647522 (0xFF628862)
YUV	120.3060, -10.9969, -19.5624
Hunter-Lab	45.9204, -17.9868, 13.0618

Details

The Yxy color **21.0868, 0.3091, 0.4062** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.7470, 0.3158, 0.2623**, and the grayscale version is **18.9246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4809, 0.3107, 0.3881**, and **7.5727, 0.3059, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **20.1589, 0.3075, 0.4393**, and if you desaturate by 10%, it is **22.1886, 0.3105, 0.3757**.

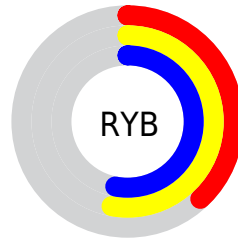
Distribution



Red (38%)

Green (53%)

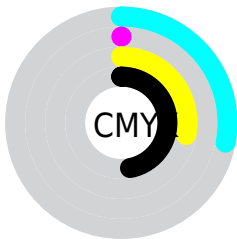
Blue (38%)



Red (38%)

Yellow (53%)

Blue (53%)

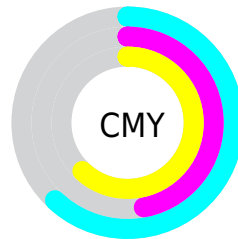


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (47%)



Cyan (62%)


Magenta (47%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0868, 0.3091, 0.4062 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 21.0868, 0.3091, 0.4062 by changing the saturation by 10% instead.

 21.0868, 0.3091,
0.4062


 21.0868, 0.3091,
0.4062


257.7394, 0.3121,
0.3609


 13.1875, 0.3077,
0.4206


 45.2319, 0.3106,
0.3877


 7.5578, 0.3053,
0.4414


 62.2466, 0.3110,
0.3814

 3.8133, 0.3005,
0.4742

 83.0684, 0.3113,
0.3763

 1.5697, 0.2985,
0.5490

 108.0818, 0.3115,
0.3721

 0.3370, 0.0000,
1.0000

137.6712, 0.3117,
0.3686

 0.0000, 0.0000,
0.0000

172.2210, 0.3118,

0.3657

212.1156, 0.3120,
0.3631

■ 21.0868, 0.3091,
0.4062

■ 21.0868, 0.3091,
0.4062

■ 20.1589, 0.3075,
0.4393

■ 22.1886, 0.3105,
0.3757

■ 19.3936, 0.3059,
0.4739

■ 23.4699, 0.3118,
0.3484

■ 18.7823, 0.3043,
0.5082

■ 24.9389, 0.3129,
0.3243

■ 18.3146, 0.3028,
0.5398

■ 26.6030, 0.3139,
0.3034

■ 17.9788, 0.3016,
0.5663

■ 28.4687, 0.3148,
0.2853

■ 17.7613, 0.3007,
0.5855

■ 30.5427, 0.3155,
0.2697

■ 17.6332, 0.3001,
0.5976

■ 32.8310, 0.3161,
0.2563

■ 17.6090, 0.3000,
0.6000

■ 35.3396, 0.3167,
0.2448

■ 38.0740, 0.3171,
0.2349

Harmonies

Analogous

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



21.0868, 0.3568, 0.4172



21.0868, 0.3091, 0.4062



21.0868, 0.2645, 0.3683

Triad

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



21.0868, 0.3091, 0.4062



21.0868, 0.2348, 0.2558



21.0868, 0.3975, 0.3292

Complementary

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



21.0868, 0.3091, 0.4062



15.7470, 0.3158, 0.2623

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.



21.0868, 0.3597, 0.2929



21.0868, 0.3091, 0.4062



21.0868, 0.2651, 0.2519

Square

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



21.0868, 0.3091, 0.4062



21.0868, 0.2240, 0.2789



21.0868, 0.3103, 0.2654



21.0868, 0.4101, 0.3679

Rectangle

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



21.0868, 0.3091, 0.4062



21.0868, 0.2422, 0.3357



21.0868, 0.3103, 0.2654



21.0868, 0.3872, 0.3165

Sweetspot

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



21.0877, 0.3091, 0.4062



41.3036, 0.3118, 0.3490



23.5472, 0.3535, 0.3950



9.4902, 0.3116, 0.3525



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.



21.0877, 0.3091, 0.4062



36.0173, 0.3081, 0.4285



21.4751, 0.2915, 0.3679



5.6083, 0.3117, 0.3515



16.6659, 0.3000, 0.6000



0.1107, 0.3000, 0.6000

Inverse Universe

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



15.7470, 0.3158, 0.2623



24.8760, 0.3166, 0.2462



15.2691, 0.3412, 0.2932



5.1289, 0.3137, 0.3074



6.6349, 0.3209, 0.1541



0.0441, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 21.0868, 0.3091, 0.4062 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 21.0868, 0.3091, 0.4062 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 21.0868, 0.3091, 0.4062

Background



This preview shows how black text looks on a background with the Yxy color 21.0868, 0.3091, 0.4062.



This preview shows how white text looks on a background with the Yxy color 21.0868, 0.3091, 0.4062.

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

21.0868, 0.3091, 0.4062

Protanopia

20.8808, 0.3610, 0.3871

Deuteranopia

20.8174, 0.3706, 0.3636



Tritanopia

20.9525, 0.2757, 0.3084

Trichromacy



Original Color

21.0868, 0.3091, 0.4062

Protanomaly

20.9291, 0.3416, 0.3955

Deuteranomaly

20.5089, 0.3462, 0.3774

Tritanomaly

20.8668, 0.2880, 0.3425

Monochromacy



Original Color

21.0868, 0.3091, 0.4062

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.5363, 0.3114, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0868, 0.3091, 0.4062 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(98, 136, 98)` looks like.

```
.text, #text, p{  
    color:rgb(98, 136, 98)  
}
```

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(98, 136, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 136, 98) }
```

Border

The CSS property to change the border of an element to Yxy 21.0868, 0.3091, 0.4062 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(98, 136, 98) }
```

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

```
.border{ border-color:rgb(98, 136, 98) }
```

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

Here you see how a box with a 4 pixel rgb(98, 136, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 136, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 136, 98);  
box-shadow:4px 4px 4px 4px rgb(98, 136,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0868, 0.3091, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 136, 98) }
```

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

```
.background{ background-color: rgb(98, 136,  
98) }
```

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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