

Converting Colors

$Y_{xy}(21.8255, 0.2979, 0.4403)$

Have a look what the booklet for
Yxy(21.8255, 0.2979, 0.4403)
contains.

Yxy(21.7295, 0.2982, 0.4408)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7295, 0.2982, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	4F8E59
RGB	79, 142, 89
RGB Percent	31%, 56%, 35%
CMY	0.6902, 0.4431, 0.6511
CMYK	0.44, 0.00, 0.37, 0.44
HSL	130°, 29%, 43%
HSV	130°, 44%, 56%
XYZ	14.6999, 21.7295, 12.8662
YIQ	117.1210, -20.5350, -29.8390

Conversions

Conversions Part 2

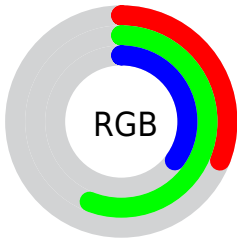
Format	Color
R_{YB}	79, 133, 142
Decimal	5213785
CIE _{Lab}	53.74, -32.21, 22.10
CIE _{LCh}	54, 39.061, 145.550
Yxy	21.7295, 0.2982, 0.4408
Android (android.graphics.Color)	4283403865 (0xFF4F8E59)
YUV	117.1210, -13.8637, -33.4321
Hunter-Lab	46.6149, -25.2864, 16.2658

Details

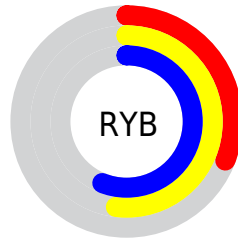
The Yxy color **21.7295, 0.2982, 0.4408** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.0099, 0.3323, 0.2386**, and the grayscale version is **17.8771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1692, 0.3028, 0.4141**, and **7.8690, 0.2880, 0.4942** is the 20% darker color. If you saturate the color by 10%, you get **21.0004, 0.2958, 0.4712**, and if you desaturate by 10%, it is **22.6231, 0.3012, 0.4116**.

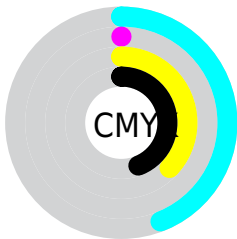
Distribution



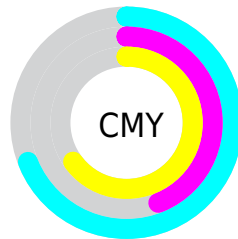
- Red (31%)
- Green (56%)
- Blue (35%)



- Red (31%)
- Yellow (52%)
- Blue (56%)



- Cyan (44%)
- Magenta (0%)
- Yellow (37%)
- Black (44%)




- Cyan (69%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7295, 0.2982, 0.4408 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 21.7295, 0.2982, 0.4408 by changing the saturation by 10% instead.


 21.7295, 0.2982,
0.4408


 21.7295, 0.2982,
0.4408


261.1304, 0.3083,
0.3745

 13.6583, 0.2941,
0.4621


 46.2985, 0.3028,
0.4136

 7.8834, 0.2875,
0.4929


 63.5651, 0.3042,
0.4043


 4.0204, 0.2754,
0.5413

 84.6656, 0.3053,
0.3969

 1.6850, 0.2685,
0.6862

 109.9844, 0.3062,
0.3908

 0.4139, 0.0000,
1.0000

 139.9058, 0.3069,
0.3857

 0.0000, 0.0000,
0.0000

174.8144, 0.3074,

0.3814

215.0945, 0.3079,
0.3777

■ 21.7295, 0.2982,
0.4408

■ 21.7295, 0.2982,
0.4408

■ 21.0004, 0.2958,
0.4712

■ 22.6231, 0.3012,
0.4116

■ 20.4232, 0.2941,
0.5015

■ 23.6875, 0.3044,
0.3844

■ 19.9877, 0.2933,
0.5301


■ 24.9322, 0.3079,
0.3598


■ 19.6813, 0.2937,
0.5551

■ 26.3649, 0.3113,
0.3378


■ 19.4886, 0.2949,
0.5749

■ 27.9930, 0.3146,
0.3184

 19.4070, 0.2955,
0.5838

 29.8235, 0.3177,
0.3015

 31.8631, 0.3207,
0.2867

 34.1181, 0.3234,
0.2740

 36.5946, 0.3260,
0.2629

Harmonies

Analogous

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



21.7295, 0.3660, 0.4579



21.7295, 0.2982, 0.4408



21.7295, 0.2379, 0.3794

Triad

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



21.7295, 0.2982, 0.4408



21.7295, 0.2073, 0.2248



21.7295, 0.4392, 0.3314

Complementary

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



21.7295, 0.2982, 0.4408



13.0099, 0.3323, 0.2386

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.



21.7295, 0.3866, 0.2822



21.7295, 0.2982, 0.4408



21.7295, 0.2502, 0.2235

Square

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



21.7295, 0.2982, 0.4408



21.7295, 0.1902, 0.2516



21.7295, 0.3149, 0.2441



21.7295, 0.4517, 0.3842

Rectangle

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



21.7295, 0.2982, 0.4408



21.7295, 0.2097, 0.3295



21.7295, 0.3149, 0.2441



21.7295, 0.4255, 0.3142

Sweetspot

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



21.7304, 0.2982, 0.4408



44.2238, 0.3082, 0.3572



24.8619, 0.3651, 0.4388



9.7731, 0.3075, 0.3618



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.



21.7304, 0.2982, 0.4408



37.0608, 0.2958, 0.4704



22.3644, 0.2720, 0.3736



6.0425, 0.3096, 0.3480



17.4255, 0.2953, 0.5832



0.1687, 0.2793, 0.5256

Inverse Universe

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



13.0099, 0.3323, 0.2386



19.6774, 0.3378, 0.2208



12.2839, 0.3843, 0.2895



5.4966, 0.3160, 0.3107



6.3724, 0.3642, 0.1780



0.0635, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 21.7295, 0.2982, 0.4408 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 21.7295, 0.2982, 0.4408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

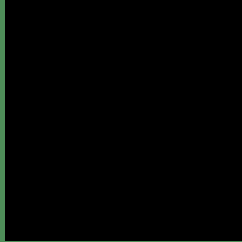
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7295, 0.2982, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 21.7295, 0.2982, 0.4408.



This preview shows how white text looks on a background with the Yxy color 21.7295, 0.2982, 0.4408.

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

21.7295, 0.2982, 0.4408

Protanopia

21.5518, 0.3776, 0.4084

Deuteranopia

21.2887, 0.3853, 0.3781



Tritanopia

21.6274, 0.2588, 0.3081

Trichromacy



Original Color

21.7295, 0.2982, 0.4408

Protanomaly

21.2128, 0.3449, 0.4213

Deuteranomaly

20.8332, 0.3490, 0.3987

Tritanomaly

21.6839, 0.2736, 0.3548

Monochromacy



Original Color

21.7295, 0.2982, 0.4408

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8668, 0.3062, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7295, 0.2982, 0.4408 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(79, 142, 89)` looks like.

```
.text, #text, p{  
  color:rgb(79, 142, 89)  
}
```

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(79, 142, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 142, 89) }
```

Border

The CSS property to change the border of an element to Yxy 21.7295, 0.2982, 0.4408 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(79, 142, 89) }
```

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

```
.border{ border-color:rgb(79, 142, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 142, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 142, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 142, 89);  
box-shadow:4px 4px 4px 4px rgb(79, 142,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7295, 0.2982, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 142, 89) }
```

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

```
.background{ background-color: rgb(79, 142,  
89) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor