

Converting Colors

$Y_{xy}(21.2601, 0.2946, 0.4201)$

Have a look what the booklet for
Yxy(21.2601, 0.2946, 0.4201)
contains.

Yxy(21.3945, 0.2948, 0.4214)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3945, 0.2948, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	528C60
RGB	82, 140, 96
RGB Percent	32%, 55%, 38%
CMY	0.6786, 0.4510, 0.6235
CMYK	0.41, 0.00, 0.31, 0.45
HSL	135°, 26%, 44%
HSV	135°, 41%, 55%
XYZ	14.9670, 21.3945, 14.4085
YIQ	117.6420, -20.4440, -25.9800

Conversions

Conversions Part 2

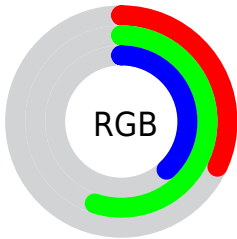
Format	Color
R_{YB}	82, 129, 140
Decimal	5409888
CIE _{Lab}	53.38, -29.04, 17.70
CIE _{LCh}	53, 34.011, 148.639
Y _{xy}	21.3945, 0.2948, 0.4214
Android (android.graphics.Color)	4283599968 (0xFF528C60)
YUV	117.6420, -10.6695, -31.2580
Hunter-Lab	46.2542, -23.1855, 13.9086

Details

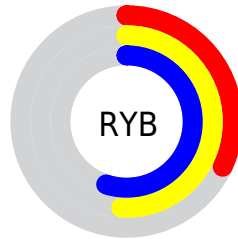
The Yxy color **21.3945, 0.2948, 0.4214** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.1110, 0.3381, 0.2520**, and the grayscale version is **18.0359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7585, 0.2996, 0.3987**, and **7.6578, 0.2846, 0.4645** is the 20% darker color. If you saturate the color by 10%, you get **20.6483, 0.2915, 0.4487**, and if you desaturate by 10%, it is **22.2970, 0.2987, 0.3957**.

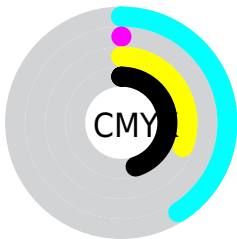
Distribution



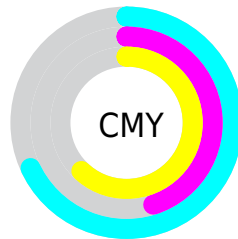
- Red (32%)
- Green (55%)
- Blue (38%)



- Red (32%)
- Yellow (51%)
- Blue (55%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (45%)



- Cyan (68%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3945, 0.2948, 0.4214 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 21.3945, 0.2948, 0.4214 by changing the saturation by 10% instead.


 21.3945, 0.2948,
0.4214


 21.3945, 0.2948,
0.4214


259.3677, 0.3062,
0.3668


 13.4127, 0.2907,
0.4389


 45.7432, 0.2998,
0.3990

 7.7133, 0.2843,
0.4644


 62.8788, 0.3014,
0.3914


 3.9121, 0.2732,
0.5047

 83.8345, 0.3026,
0.3853

 1.6245, 0.2590,
0.6020

 108.9947, 0.3036,
0.3803

 0.3740, 0.0000,
1.0000

 138.7436, 0.3044,
0.3760

 0.0000, 0.0000,
0.0000

173.4659, 0.3051,

0.3725

213.5458, 0.3057,
0.3694

■ 21.3945, 0.2948,
0.4214

■ 21.3945, 0.2948,
0.4214

■ 20.6483, 0.2915,
0.4487

■ 22.2970, 0.2987,
0.3957

■ 20.0467, 0.2892,
0.4767

■ 23.3612, 0.3030,
0.3720

■ 19.5809, 0.2880,
0.5043


■ 24.5956, 0.3075,
0.3506

■ 19.2397, 0.2882,
0.5301


■ 26.0074, 0.3121,
0.3316

■ 19.0103, 0.2897,
0.5526

■ 27.6032, 0.3165,
0.3148

 18.8732, 0.2914,
0.5689

 29.3894, 0.3208,
0.3001

 31.3720, 0.3249,
0.2872

 33.5568, 0.3287,
0.2761

 35.9493, 0.3323,
0.2664

Harmonies

Analogous

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



21.3945, 0.3549, 0.4418



21.3945, 0.2948, 0.4214



21.3945, 0.2425, 0.3665

Triad

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



21.3945, 0.2948, 0.4214



21.3945, 0.2219, 0.2353



21.3945, 0.4263, 0.3371

Complementary

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



21.3945, 0.2948, 0.4214



13.1110, 0.3381, 0.2520

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.



21.3945, 0.3835, 0.2921



21.3945, 0.2948, 0.4214



21.3945, 0.2629, 0.2359

Square

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



21.3945, 0.2948, 0.4214



21.3945, 0.2039, 0.2576



21.3945, 0.3216, 0.2563



21.3945, 0.4340, 0.3843

Rectangle

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



21.3945, 0.2948, 0.4214



21.3945, 0.2186, 0.3238



21.3945, 0.3216, 0.2563



21.3945, 0.4154, 0.3215

Sweetspot

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



21.3954, 0.2948, 0.4214



43.1735, 0.3072, 0.3522



23.8381, 0.3562, 0.4338



9.8898, 0.3067, 0.3545



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.



21.3954, 0.2948, 0.4214



36.4475, 0.2916, 0.4476



22.0194, 0.2702, 0.3600



5.6268, 0.3086, 0.3460



16.7705, 0.2911, 0.5681



0.1134, 0.2706, 0.4940

Inverse Universe

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



13.1110, 0.3381, 0.2520



19.7394, 0.3460, 0.2352



12.4769, 0.3861, 0.3009



5.1086, 0.3171, 0.3126



5.8843, 0.3911, 0.1928



0.0414, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 21.3945, 0.2948, 0.4214 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 21.3945, 0.2948, 0.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

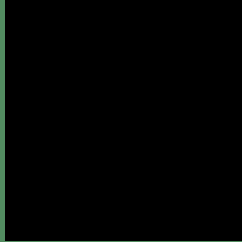
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3945, 0.2948, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 21.3945, 0.2948, 0.4214.



This preview shows how white text looks on a background with the Yxy color 21.3945, 0.2948, 0.4214.

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

21.3945, 0.2948, 0.4214

Protanopia

21.2353, 0.3677, 0.3953

Deuteranopia

21.1351, 0.3727, 0.3669



Tritanopia

21.4217, 0.2610, 0.3081

Trichromacy



Original Color

21.3945, 0.2948, 0.4214

Protanomaly

21.0571, 0.3379, 0.4062

Deuteranomaly

20.8865, 0.3400, 0.3856

Tritanomaly

21.2645, 0.2732, 0.3468

Monochromacy



Original Color

21.3945, 0.2948, 0.4214

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0508, 0.3053, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3945, 0.2948, 0.4214 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, 140, 96)` looks like.

```
.text, #text, p{  
    color:rgb(82, 140, 96)  
}
```

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, 140, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 140, 96) }
```

Border

The CSS property to change the border of an element to Yxy 21.3945, 0.2948, 0.4214 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, 140, 96) }
```

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

```
.border{ border-color:rgb(82, 140, 96) }
```

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

Here you see how a box with a 4 pixel rgb(82, 140, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 140, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 140, 96);  
box-shadow:4px 4px 4px 4px rgb(82, 140,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3945, 0.2948, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 140, 96) }
```

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

```
.background{ background-color: rgb(82, 140,  
96) }
```

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