

Converting Colors

$Yxy(21.1137, 0.2822, 0.4391)$

Have a look what the booklet for
Yxy(21.1137, 0.2822, 0.4391)
contains.

Yxy(21.1428, 0.2818, 0.4384)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1428, 0.2818, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	3E8E5C
RGB	62, 142, 92
RGB Percent	24%, 56%, 36%
CMY	0.7570, 0.4431, 0.6391
CMYK	0.56, 0.00, 0.35, 0.44
HSL	143°, 39%, 40%
HSV	143°, 56%, 56%
XYZ	13.5904, 21.1428, 13.4940
YIQ	112.3800, -31.6300, -32.5100

Conversions

Conversions Part 2

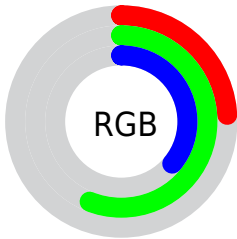
Format	Color
RYB	62, 120, 142
Decimal	4099676
CIELab	53.11, -36.41, 19.43
CIELCh	53, 41.272, 151.910
Yxy	21.1428, 0.2818, 0.4384
Android (android.graphics.Color)	4282289756 (0xFF3E8E5C)
YUV	112.3800, -10.0473, -44.1833
Hunter-Lab	45.9813, -27.7091, 14.7873

Details

The Yxy color **21.1428, 0.2818, 0.4384** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.3618, 0.3705, 0.2430**, and the grayscale version is **16.3563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1760, 0.2897, 0.4103**, and **7.6716, 0.2697, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **20.5971, 0.2793, 0.4620**, and if you desaturate by 10%, it is **21.8283, 0.2857, 0.4154**.

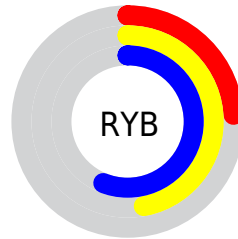
Distribution



Red (24%)

Green (56%)

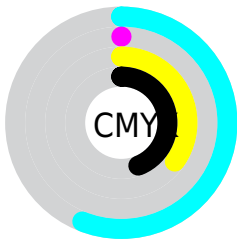
Blue (36%)



Red (24%)

Yellow (47%)

Blue (56%)

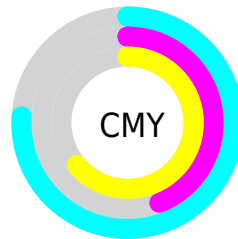


Cyan (56%)

Magenta (0%)

Yellow (35%)

Black (44%)



Cyan (76%)

Magenta (44%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1428, 0.2818, 0.4384 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 21.1428, 0.2818, 0.4384 by changing the saturation by 10% instead.


 21.1428, 0.2818,
0.4384


 21.1428, 0.2818,
0.4384


258.0364, 0.3011,
0.3731


 13.2284, 0.2751,
0.4596


 45.3251, 0.2900,
0.4114


 7.5860, 0.2648,
0.4908

 62.3618, 0.2927,
0.4023

 3.8312, 0.2475,
0.5404

 83.2080, 0.2948,
0.3950

 1.5796, 0.2140,
0.6895

 108.2482, 0.2966,
0.3891

 0.3438, 0.0000,
1.0000

 137.8667, 0.2980,
0.3841

 0.0000, 0.0000,
0.0000

172.4480, 0.2992,

0.3798

212.3765, 0.3002,
0.3762

■ 21.1428, 0.2818,
0.4384

■ 21.1428, 0.2818,
0.4384

■ 20.5971, 0.2793,
0.4620

■ 21.8283, 0.2857,
0.4154

■ 20.1785, 0.2783,
0.4856

■ 22.6602, 0.2906,
0.3937

■ 19.8761, 0.2791,
0.5081

■ 23.6477, 0.2962,
0.3735

■ 19.6717, 0.2814,
0.5289

■ 24.7984, 0.3023,
0.3551

■ 19.6075, 0.2822,
0.5360

■ 26.1196, 0.3087,
0.3386

■ 27.6179, 0.3150,
0.3238

■ 29.2997, 0.3213,
0.3108

■ 31.1710, 0.3274,
0.2994

■ 33.2377, 0.3333,
0.2894

Harmonies

Analogous

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



21.1428, 0.3536, 0.4674



21.1428, 0.2818, 0.4384



21.1428, 0.2222, 0.3657

Triad

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



21.1428, 0.2818, 0.4384



21.1428, 0.2086, 0.2164



21.1428, 0.4543, 0.3424

Complementary

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



21.1428, 0.2818, 0.4384



10.3618, 0.3705, 0.2430

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.



21.1428, 0.4061, 0.2895



21.1428, 0.2818, 0.4384



21.1428, 0.2591, 0.2205

Square

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



21.1428, 0.2818, 0.4384



21.1428, 0.1849, 0.2381



21.1428, 0.3312, 0.2465



21.1428, 0.4571, 0.3979

Rectangle

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



21.1428, 0.2818, 0.4384



21.1428, 0.1968, 0.3128



21.1428, 0.3312, 0.2465



21.1428, 0.4428, 0.3241

Sweetspot

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



21.1437, 0.2818, 0.4384



43.5121, 0.3017, 0.3568



23.1831, 0.3561, 0.4769



9.6375, 0.3007, 0.3599



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.



21.1437, 0.2818, 0.4384



36.0702, 0.2788, 0.4693



22.0184, 0.2512, 0.3506



6.0608, 0.3069, 0.3431



17.6066, 0.2820, 0.5352



0.1724, 0.2588, 0.4516

Inverse Universe

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



10.3618, 0.3705, 0.2430



15.0417, 0.3904, 0.2284



9.6693, 0.4523, 0.3109



5.4771, 0.3191, 0.3154



5.8098, 0.4403, 0.2199



0.0598, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 21.1428, 0.2818, 0.4384 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 21.1428, 0.2818, 0.4384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

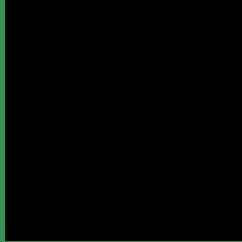
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1428, 0.2818, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 21.1428, 0.2818, 0.4384.



This preview shows how white text looks on a background with the Yxy color 21.1428, 0.2818, 0.4384.

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

21.1428, 0.2818, 0.4384

Protanopia

20.8960, 0.3740, 0.4025

Deuteranopia

20.8337, 0.3770, 0.3703



Tritanopia

20.9810, 0.2478, 0.3074

Trichromacy



Original Color

21.1428, 0.2818, 0.4384

Protanomaly

20.5221, 0.3336, 0.4163

Deuteranomaly

20.3086, 0.3357, 0.3951

Tritanomaly

21.0610, 0.2606, 0.3535

Monochromacy



Original Color

21.1428, 0.2818, 0.4384

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.5655, 0.2980, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1428, 0.2818, 0.4384 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(62, 142, 92)` looks like.

```
.text, #text, p{  
    color:rgb(62, 142, 92)  
}
```

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(62, 142, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 142, 92) }
```

Border

The CSS property to change the border of an element to Yxy 21.1428, 0.2818, 0.4384 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(62, 142, 92) }
```

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

```
.border{ border-color:rgb(62, 142, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 142, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 142, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 142, 92);  
box-shadow:4px 4px 4px 4px rgb(62, 142,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1428, 0.2818, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 142, 92) }
```

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

```
.background{ background-color: rgb(62, 142,  
92) }
```

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