

Converting Colors

$Y_{xy}(21.1260, 0.4113, 0.4333)$

Have a look what the booklet for
Yxy(21.1260, 0.4113, 0.4333)
contains.

Yxy(21.1260, 0.4113, 0.4333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.1260, 0.4113, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	927D3E
RGB	146, 125, 62
RGB Percent	57%, 49%, 24%
CMY	0.4276, 0.5097, 0.7569
CMYK	0.00, 0.14, 0.58, 0.43
HSL	45°, 40%, 41%
HSV	45°, 58%, 57%
XYZ	20.0534, 21.1260, 7.5767
YIQ	124.0970, 32.7390, -15.1410

Conversions

Conversions Part 2

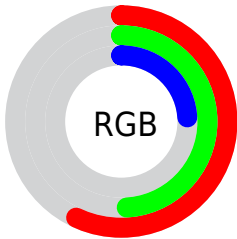
Format	Color
R_{YB}	90, 146, 62
Decimal	9600318
CIE Lab	53.09, -0.13, 36.85
CIE LCh	53, 36.853, 90.202
Yxy	21.1260, 0.4113, 0.4333
Android (android.graphics.Color)	4287790398 (0xFF927D3E)
YUV	124.0970, -30.6138, 19.2089
Hunter-Lab	45.9630, -2.5569, 22.4006

Details

The Yxy color **21.1260, 0.4113, 0.4333** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.2771, 0.2139, 0.1934**, and the grayscale version is **20.2852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1707, 0.3911, 0.4108**, and **7.5277, 0.4432, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **20.0821, 0.4285, 0.4470**, and if you desaturate by 10%, it is **22.2488, 0.3932, 0.4169**.

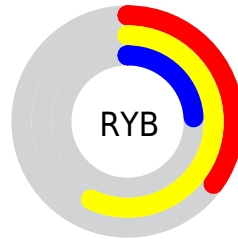
Distribution



Red (57%)

Green (49%)

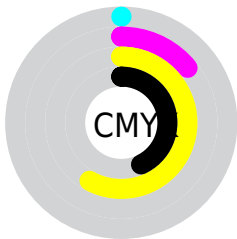
Blue (24%)



Red (35%)

Yellow (57%)

Blue (24%)

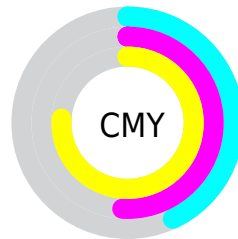


Cyan (0%)

Magenta (14%)

Yellow (58%)

Black (43%)



Cyan (43%)


Magenta (51%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1260, 0.4113, 0.4333 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 21.1260, 0.4113, 0.4333 by changing the saturation by 10% instead.

 21.1260, 0.4113,
0.4333


 21.1260, 0.4113,
0.4333


 257.9474, 0.3576,
0.3765


 13.2161, 0.4252,
0.4480


 45.2971, 0.3911,
0.4119


 7.5775, 0.4424,
0.4663


 62.3272, 0.3837,
0.4041

 3.8258, 0.4736,
0.4994

 83.1661, 0.3775,
0.3975

 1.5766, 0.4865,
0.5135

 108.1983, 0.3723,
0.3920

 0.3418, 0.4849,
0.5151

 137.8081, 0.3678,
0.3872

 0.0000, 0.0000,
0.0000

 172.3800, 0.3639,

0.3832

212.2982, 0.3606,
0.3796

■ 21.1260, 0.4113,
0.4333

■ 21.1260, 0.4113,
0.4333

■ 20.0821, 0.4285,
0.4470

■ 22.2488, 0.3932,
0.4169

■ 19.1101, 0.4441,
0.4571

■ 23.4510, 0.3748,
0.3989

■ 18.2067, 0.4572,
0.4628

■ 24.7368, 0.3569,
0.3800

■ 17.3640, 0.4678,
0.4644

■ 26.1091, 0.3399,
0.3610

■ 17.1621, 0.4704,
0.4647

■ 27.5708, 0.3239,
0.3425

■ 29.1244, 0.3092,
0.3247

■ 30.7723, 0.2958,
0.3080

■ 32.5170, 0.2837,
0.2924

■ 34.3608, 0.2727,
0.2780

Harmonies

Analogous

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



21.1260, 0.4435, 0.3902



21.1260, 0.4113, 0.4333



21.1260, 0.3543, 0.4521

Triad

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



21.1260, 0.4113, 0.4333



21.1260, 0.2016, 0.2978



21.1260, 0.3257, 0.2523

Complementary

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



21.1260, 0.4113, 0.4333



9.2771, 0.2139, 0.1934

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.



21.1260, 0.2615, 0.2296



21.1260, 0.4113, 0.4333



21.1260, 0.1960, 0.2495

Square

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



21.1260, 0.4113, 0.4333



21.1260, 0.2341, 0.3661



21.1260, 0.2165, 0.2275



21.1260, 0.3928, 0.2912

Rectangle

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



21.1260, 0.4113, 0.4333



21.1260, 0.3108, 0.4413



21.1260, 0.2165, 0.2275



21.1260, 0.3029, 0.2427

Sweetspot

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



21.1270, 0.4113, 0.4333



46.1254, 0.3396, 0.3606



10.1771, 0.4366, 0.2937



10.1647, 0.3424, 0.3639



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1270, 0.4113, 0.4333



34.9373, 0.4332, 0.4503



25.2553, 0.3680, 0.4743



6.5020, 0.3265, 0.3455



15.1451, 0.4701, 0.4649



0.2320, 0.4424, 0.4869

Inverse Universe

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



9.2771, 0.2139, 0.1934



12.0562, 0.1924, 0.1581



7.3571, 0.2283, 0.1603



5.8542, 0.2989, 0.3119



2.9913, 0.1590, 0.0924



0.0776, 0.1797, 0.1670

Previews

White Background



This preview shows how the Yxy color 21.1260, 0.4113, 0.4333 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 21.1260, 0.4113, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

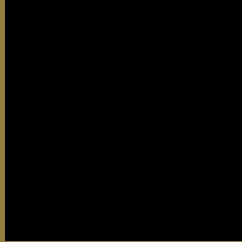
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1260, 0.4113, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 21.1260, 0.4113, 0.4333.



This preview shows how white text looks on a background with the Yxy color 21.1260, 0.4113, 0.4333.

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

21.1260, 0.4113, 0.4333

Protanopia

21.1131, 0.4007, 0.4383

Deuteranopia

21.1015, 0.4273, 0.4204



Tritanopia

21.1646, 0.3453, 0.3142

Trichromacy



Original Color

21.1260, 0.4113, 0.4333

Protanomaly

21.0314, 0.4042, 0.4356

Deuteranomaly

20.9533, 0.4211, 0.4241

Tritanomaly

21.1380, 0.3721, 0.3597

Monochromacy



Original Color

21.1260, 0.4113, 0.4333

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2604, 0.3496, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1260, 0.4113, 0.4333 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(146, 125, 62)` looks like.

```
.text, #text, p{  
    color:rgb(146, 125, 62)  
}
```

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(146, 125, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 125, 62) }
```

Border

The CSS property to change the border of an element to Yxy 21.1260, 0.4113, 0.4333 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(146, 125, 62) }
```

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

```
.border{ border-color:rgb(146, 125, 62) }
```

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

Here you see how a box with a 4 pixel rgb(146, 125, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 125, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 125, 62);  
box-shadow:4px 4px 4px 4px rgb(146, 125,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1260, 0.4113, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 125, 62) }
```

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

```
.background{ background-color: rgb(146,  
125, 62) }
```

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