

Converting Colors

$Y_{xy}(21.0623, 0.4055, 0.4374)$

Have a look what the booklet for
Yxy(21.0623, 0.4055, 0.4374)
contains.

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Color

$\text{Yxy}(21.0203, 0.4052, 0.4371)$

Conversions

Conversions Part 1	
Format	Color
Hex	8E7E3E
RGB	142, 126, 62
RGB Percent	56%, 49%, 24%
CMY	0.4431, 0.5059, 0.7570
CMYK	0.00, 0.11, 0.56, 0.44
HSL	48°, 39%, 40%
HSV	48°, 56%, 56%
XYZ	19.4862, 21.0203, 7.5839
YIQ	123.4880, 30.0800, -16.5120

Conversions

Conversions Part 2

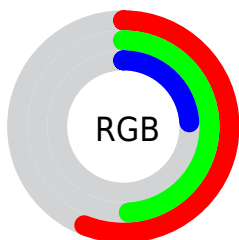
Format	Color
RYB	82, 142, 62
Decimal	9338430
CIELab	52.97, -2.47, 36.63
CIELCh	53, 36.711, 93.851
Yxy	21.0203, 0.4052, 0.4371
Android (android.graphics.Color)	4287528510 (0xFF8E7E3E)
YUV	123.4880, -30.3136, 16.2350
Hunter-Lab	45.8479, -4.3680, 22.2862

Details

The Yxy color $21.0203, 0.4052, 0.4371$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $8.4227, 0.2144, 0.1883$, and the grayscale version is $20.0720, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8810, 0.3858, 0.4135$, and $7.4633, 0.4334, 0.4720$ is the 20% darker color. If you saturate the color by 10%, you get $20.1692, 0.4210, 0.4519$, and if you desaturate by 10%, it is $21.9347, 0.3883, 0.4197$.

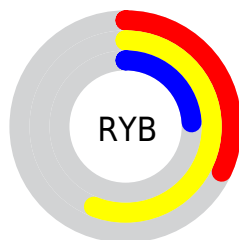
Distribution



Red (56%)

Green (49%)

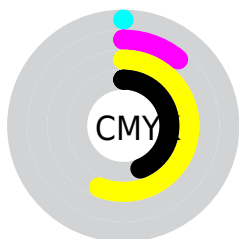
Blue (24%)



Red (32%)

Yellow (56%)

Blue (24%)

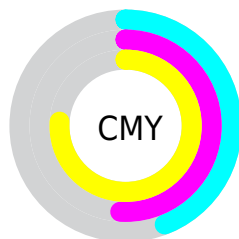


Cyan (0%)

Magenta (11%)

Yellow (56%)

Black (44%)



Cyan (44%)


Magenta (51%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0203, 0.4052, 0.4371 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 21.0203, 0.4052, 0.4371 by changing the saturation by 10% instead.


 21.0203, 0.4052,
0.4371


 21.0203, 0.4052,
0.4371


257.3864, 0.3550,
0.3776


 13.1388, 0.4180,
0.4529


 45.1213, 0.3864,
0.4145


 7.5242, 0.4338,
0.4728


 62.1097, 0.3795,
0.4063

 3.7921, 0.4629,
0.5091


 82.9024, 0.3737,
0.3994

 1.5579, 0.4724,
0.5276

 107.8840, 0.3688,
0.3936

 0.3290, 0.4342,
0.5658


 137.4388, 0.3646,
0.3887


 0.0000, 0.0000,
0.0000


 171.9512, 0.3610,

0.3845


211.8056, 0.3578,
0.3808

 21.0203, 0.4052,
0.4371


 21.0203, 0.4052,
0.4371


 20.1692, 0.4210,
0.4519


 21.9347, 0.3883,
0.4197


 19.3751, 0.4349,
0.4632

 22.9126, 0.3711,
0.4006


 18.6349, 0.4465,
0.4703

 23.9578, 0.3540,
0.3806

 17.9427, 0.4556,
0.4732

 25.0727, 0.3376,
0.3606

 17.6977, 0.4587,
0.4740

 26.2599, 0.3220,
0.3410

■ 27.5216, 0.3076,
0.3223

■ 28.8599, 0.2943,
0.3046

■ 30.2770, 0.2822,
0.2882

■ 31.7747, 0.2713,
0.2729

Harmonies

Analogous

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



21.0203, 0.4412, 0.3960



21.0203, 0.4052, 0.4371



21.0203, 0.3465, 0.4514

Triad

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



21.0203, 0.4052, 0.4371



21.0203, 0.1997, 0.2907



21.0203, 0.3341, 0.2565

Complementary

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



21.0203, 0.4052, 0.4371



8.4227, 0.2144, 0.1883

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.



21.0203, 0.2686, 0.2315



21.0203, 0.4052, 0.4371



21.0203, 0.1974, 0.2456

Square

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



21.0203, 0.4052, 0.4371



21.0203, 0.2289, 0.3573



21.0203, 0.2209, 0.2267



21.0203, 0.3997, 0.2968

Rectangle

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



21.0203, 0.4052, 0.4371



21.0203, 0.3030, 0.4368



21.0203, 0.2209, 0.2267



21.0203, 0.3111, 0.2461

Sweetspot

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



21.0213, 0.4052, 0.4371



44.0065, 0.3392, 0.3626



9.7439, 0.4408, 0.3014



9.7524, 0.3419, 0.3660



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.



21.0213, 0.4052, 0.4371



35.1237, 0.4255, 0.4557



23.5475, 0.3624, 0.4737



6.1047, 0.3263, 0.3465



15.9139, 0.4585, 0.4741



0.1822, 0.4371, 0.4911

Inverse Universe

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



8.4227, 0.2144, 0.1883



10.6636, 0.1917, 0.1509



7.3735, 0.2358, 0.1665



5.4189, 0.2990, 0.3109



2.5387, 0.1564, 0.0832



0.0500, 0.1748, 0.1493

Previews

White Background



This preview shows how the Yxy color 21.0203, 0.4052, 0.4371 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 21.0203, 0.4052, 0.4371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

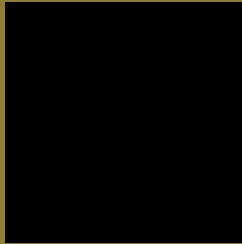
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0203, 0.4052, 0.4371

Background



This preview shows how black text looks on a background with the Yxy color 21.0203, 0.4052, 0.4371.



This preview shows how white text looks on a background with the Yxy color 21.0203, 0.4052, 0.4371.

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

21.0203, 0.4052, 0.4371

Protanopia

21.1020, 0.4016, 0.4397

Deuteranopia

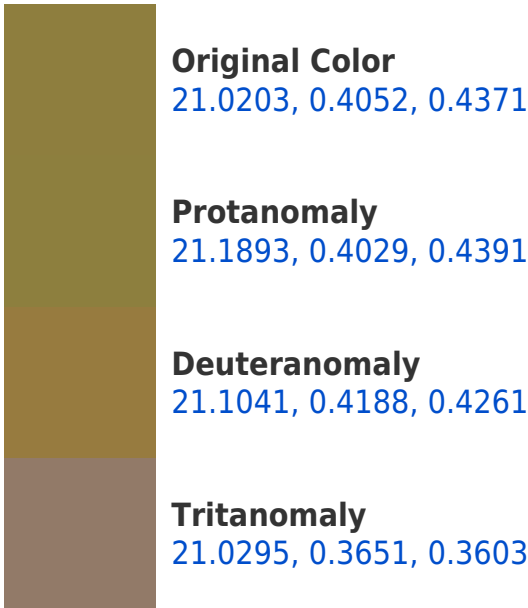
21.1015, 0.4273, 0.4204



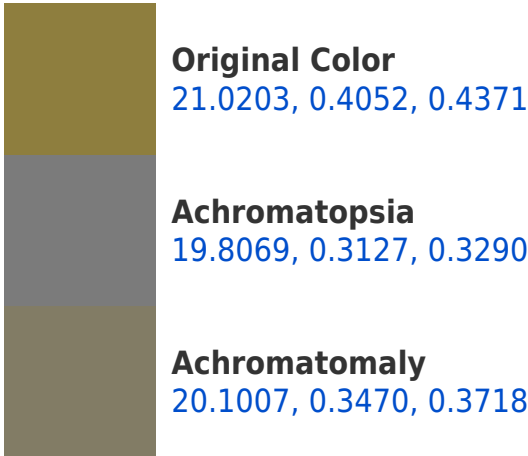
Tritanopia

21.0481, 0.3387, 0.3140

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0203, 0.4052, 0.4371 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(142, 126, 62)` looks like.

```
.text, #text, p{  
    color:rgb(142, 126, 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(142, 126, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 126, 62) }
```

Border

The CSS property to change the border of an element to Yxy 21.0203, 0.4052, 0.4371 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(142, 126, 62) }
```

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

```
.border{ border-color:rgb(142, 126, 62) }
```

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

Here you see how a box with a 4 pixel rgb(142, 126, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 126, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 126, 62);  
box-shadow:4px 4px 4px 4px rgb(142, 126,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0203, 0.4052, 0.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 126, 62) }
```

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

```
.background{ background-color: rgb(142,  
126, 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](#).

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