

Converting Colors

$Y_{xy}(21.4962, 0.3933, 0.5259)$

Have a look what the booklet for
Yxy(21.4962, 0.3933, 0.5259)
contains.

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Color

Yxy(21.6043, 0.3932, 0.5260)

Conversions

Conversions Part 1

Format	Color
Hex	748900
RGB	116, 137, 0
RGB Percent	45%, 54%, 0%
CMY	0.5450, 0.4627, 1.0000
CMYK	0.15, 0.00, 1.00, 0.46
HSL	69°, 100%, 27%
HSV	69°, 100%, 54%
XYZ	16.1498, 21.6043, 3.3187
YIQ	115.1030, 31.4610, -47.0590

Conversions

Conversions Part 2

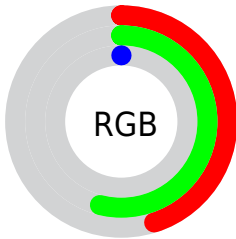
Format	Color
RYB	0, 137, 21
Decimal	7637248
CIELab	53.60, -23.08, 57.53
CIElCh	54, 61.992, 111.861
Yxy	21.6043, 0.3932, 0.5260
Android (android.graphics.Color)	4285827328 (0xFF748900)
YUV	115.1030, -56.7458, 0.7867
Hunter-Lab	46.4804, -19.3201, 28.3030

Details

The Yxy color **21.6043, 0.3932, 0.5260** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.9655, 0.1578, 0.0643**, and the grayscale version is **17.3473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9022, 0.3833, 0.4854**, and **7.9064, 0.3766, 0.5392** is the 20% darker color. If you saturate the color by 10%, you get **21.6052, 0.3932, 0.5260**, and if you desaturate by 10%, it is **21.7816, 0.3928, 0.5182**.

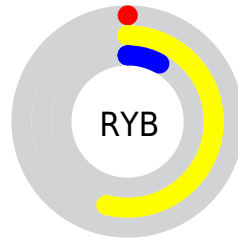
Distribution



Red (45%)

Green (54%)

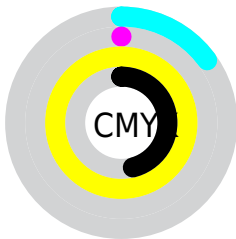
Blue (0%)



Red (0%)

Yellow (54%)

Blue (8%)

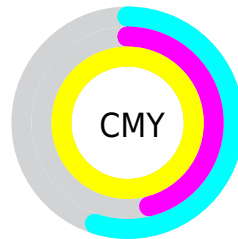


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (55%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6043, 0.3932, 0.5260 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 21.6043, 0.3932, 0.5260 by changing the saturation by 10% instead.


 21.6043, 0.3932,
0.5260


 21.6043, 0.3932,
0.5260


260.4728, 0.3580,
0.4172


 13.5664, 0.3960,
0.5527


 46.0911, 0.3837,
0.4856


 7.8197, 0.4020,
0.5958


 63.3089, 0.3789,
0.4705

 3.9798, 0.3807,
0.6193

 84.3553, 0.3744,
0.4578

 1.6623, 0.3431,
0.6569

 109.6150, 0.3704,
0.4471


 0.3991, 0.0000,
1.0000

 139.4721, 0.3668,
0.4380

 0.0000, 0.0000,
0.0000


 174.3112, 0.3635,


0.4301


 214.5167, 0.3606,
0.4232


 21.6043, 0.3932,
0.5260


 21.6043, 0.3932,
0.5260

 21.6052, 0.3932,
0.5260

 21.7816, 0.3928,
0.5182

 21.9805, 0.3907,
0.5074

 22.2123, 0.3861,
0.4924

 22.4808, 0.3793,
0.4736

 22.7890, 0.3704,
0.4518

■ 23.1398, 0.3601,
0.4279

■ 23.5356, 0.3487,
0.4029

■ 23.9788, 0.3367,
0.3776

■ 24.4715, 0.3246,
0.3528

Harmonies

Analogous

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



21.6043, 0.4790, 0.4622



21.6043, 0.3932, 0.5260



21.6043, 0.2935, 0.5257

Triad

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



21.6043, 0.3932, 0.5260



21.6043, 0.1354, 0.2146



21.6043, 0.4146, 0.2496

Complementary

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



21.6043, 0.3932, 0.5260



1.9655, 0.1578, 0.0643

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.



21.6043, 0.2991, 0.2003



21.6043, 0.3932, 0.5260



21.6043, 0.1545, 0.1777

Square

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



21.6043, 0.3932, 0.5260



21.6043, 0.1499, 0.2987



21.6043, 0.2078, 0.1750



21.6043, 0.5055, 0.3142

Rectangle

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



21.6043, 0.3932, 0.5260



21.6043, 0.2309, 0.4680



21.6043, 0.2078, 0.1750



21.6043, 0.3758, 0.2309

Sweetspot

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



21.6053, 0.3932, 0.5260



42.0989, 0.3494, 0.4046



5.8384, 0.6227, 0.3437



9.3831, 0.3537, 0.4137



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.6053, 0.3932, 0.5260



38.6349, 0.3926, 0.5265



18.5183, 0.3204, 0.5838



5.8068, 0.3236, 0.3508



20.1296, 0.3933, 0.5259



0.1386, 0.4068, 0.5152

Inverse Universe

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



1.9655, 0.1578, 0.0643



3.4721, 0.1565, 0.0636



3.9326, 0.2364, 0.1076



4.9267, 0.3013, 0.3066



1.8344, 0.1579, 0.0644



0.0162, 0.1872, 0.0805

Previews

White Background



This preview shows how the Yxy color 21.6043, 0.3932, 0.5260 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 21.6043, 0.3932, 0.5260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

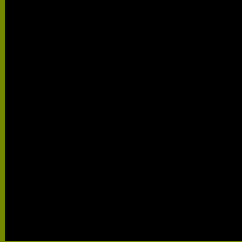
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6043, 0.3932, 0.5260

Background



This preview shows how black text looks on a background with the Yxy color 21.6043, 0.3932, 0.5260.



This preview shows how white text looks on a background with the Yxy color 21.6043, 0.3932, 0.5260.

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

21.6043, 0.3932, 0.5260

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.3178, 0.4632, 0.4550



Tritanopia

21.4969, 0.3020, 0.3112

Trichromacy



Original Color

21.6043, 0.3932, 0.5260

Protanomaly

21.3009, 0.4232, 0.5022

Deuteranomaly

21.2330, 0.4387, 0.4813

Tritanomaly

21.1317, 0.3511, 0.4121

Monochromacy



Original Color

21.6043, 0.3932, 0.5260

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.2918, 0.3599, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6043, 0.3932, 0.5260 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(116, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 137, 0)  
}
```

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(116, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6043, 0.3932, 0.5260 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(116, 137, 0) }
```

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

```
.border{ border-color:rgb(116, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(116, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6043, 0.3932, 0.5260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 137, 0) }
```

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

```
.background{ background-color: rgb(116,  
137, 0) }
```

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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