

Converting Colors

$Y_{xy}(21.5143, 0.3978, 0.5113)$

Have a look what the booklet for
Yxy(21.5143, 0.3978, 0.5113)
contains.

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Color

Yxy(21.4366, 0.3973, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	798712
RGB	121, 135, 18
RGB Percent	47%, 53%, 7%
CMY	0.5255, 0.4706, 0.9294
CMYK	0.10, 0.00, 0.87, 0.47
HSL	67°, 76%, 30%
HSV	67°, 87%, 53%
XYZ	16.6571, 21.4366, 3.8320
YIQ	117.4760, 29.2130, -39.3550

Conversions

Conversions Part 2

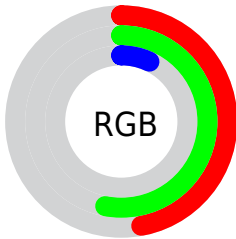
Format	Color
RYB	18, 135, 32
Decimal	7964434
CIELab	53.42, -19.44, 54.15
CIELCh	53, 57.537, 109.743
Yxy	21.4366, 0.3973, 0.5113
Android (android.graphics.Color)	4286154514 (0xFF798712)
YUV	117.4760, -49.0417, 3.0905
Hunter-Lab	46.2997, -16.8061, 27.5026

Details

The Yxy color **21.4366, 0.3973, 0.5113** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.4898, 0.1684, 0.0808**, and the grayscale version is **18.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7045, 0.3855, 0.4742**, and **7.7622, 0.3889, 0.5294** is the 20% darker color. If you saturate the color by 10%, you get **21.2879, 0.3986, 0.5191**, and if you desaturate by 10%, it is **21.6134, 0.3938, 0.4997**.

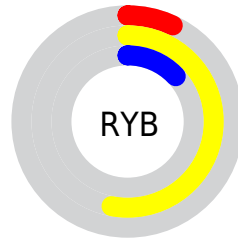
Distribution



Red (47%)

Green (53%)

Blue (7%)



Red (7%)

Yellow (53%)

Blue (13%)

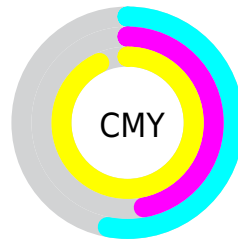


Cyan (10%)

Magenta (0%)

Yellow (87%)

Black (47%)



Cyan (53%)


Magenta (47%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4366, 0.3973, 0.5113 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 21.4366, 0.3973, 0.5113 by changing the saturation by 10% instead.


 21.4366, 0.3973,
0.5113


 21.4366, 0.3973,
0.5113


259.5898, 0.3580,
0.4105


 13.4435, 0.4024,
0.5364


 45.8130, 0.3855,
0.4737


 7.7347, 0.4089,
0.5732


 62.9652, 0.3801,
0.4597

 3.9256, 0.3977,
0.6023

 83.9391, 0.3753,
0.4480

 1.6321, 0.3659,
0.6341

 109.1193, 0.3710,
0.4381

 0.3791, 0.0000,
1.0000


 138.8900, 0.3672,
0.4297


 0.0000, 0.0000,
0.0000


 173.6357, 0.3638,


0.4224


 213.7409, 0.3607,
0.4161


 21.4366, 0.3973,
0.5113

 21.4366, 0.3973,
0.5113


 21.2879, 0.3986,
0.5191

 21.6134, 0.3938,
0.4997

 21.2398, 0.3989,
0.5214

 21.8211, 0.3878,
0.4841

 22.0640, 0.3797,
0.4648

 22.3451, 0.3697,
0.4428

 22.6669, 0.3583,
0.4189

■ 23.0318, 0.3461,
0.3941

■ 23.4418, 0.3335,
0.3691

■ 23.8990, 0.3209,
0.3447

■ 24.4053, 0.3087,
0.3214

Harmonies

Analogous

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



21.4366, 0.4756, 0.4523



21.4366, 0.3973, 0.5113



21.4366, 0.3032, 0.5136

Triad

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



21.4366, 0.3973, 0.5113



21.4366, 0.1445, 0.2263



21.4366, 0.4005, 0.2505

Complementary

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



21.4366, 0.3973, 0.5113



2.4898, 0.1684, 0.0808

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.



21.4366, 0.2934, 0.2047



21.4366, 0.3973, 0.5113



21.4366, 0.1604, 0.1874

Square

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



21.4366, 0.3973, 0.5113



21.4366, 0.1616, 0.3094



21.4366, 0.2093, 0.1823



21.4366, 0.4884, 0.3120

Rectangle

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



21.4366, 0.3973, 0.5113



21.4366, 0.2430, 0.4643



21.4366, 0.2093, 0.1823



21.4366, 0.3643, 0.2330

Sweetspot

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



21.4376, 0.3973, 0.5113



41.2466, 0.3460, 0.3939



6.2098, 0.5884, 0.3444



9.5050, 0.3497, 0.4013



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.



21.4376, 0.3973, 0.5113



37.9865, 0.3985, 0.5218



18.4256, 0.3297, 0.5618



5.3955, 0.3240, 0.3506



19.5874, 0.3990, 0.5214



0.0698, 0.4096, 0.5129

Inverse Universe

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



2.4898, 0.1684, 0.0808



3.2929, 0.1545, 0.0625



4.3638, 0.2418, 0.1196



4.5693, 0.3009, 0.3067



1.7196, 0.1558, 0.0632



0.0076, 0.1796, 0.0763

Previews

White Background



This preview shows how the Yxy color 21.4366, 0.3973, 0.5113 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 21.4366, 0.3973, 0.5113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

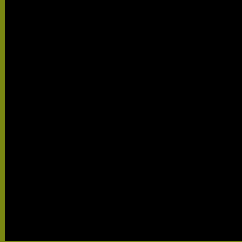
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4366, 0.3973, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 21.4366, 0.3973, 0.5113.



This preview shows how white text looks on a background with the Yxy color 21.4366, 0.3973, 0.5113.

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

21.4366, 0.3973, 0.5113

Protanopia

21.4050, 0.4358, 0.4829

Deuteranopia

21.3357, 0.4612, 0.4525



Tritanopia

21.4963, 0.3088, 0.3132

Trichromacy



Original Color

21.4366, 0.3973, 0.5113

Protanomaly

21.5073, 0.4214, 0.4934

Deuteranomaly

21.0986, 0.4379, 0.4743

Tritanomaly

20.9852, 0.3516, 0.3981

Monochromacy



Original Color

21.4366, 0.3973, 0.5113

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8609, 0.3545, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4366, 0.3973, 0.5113 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(121, 135, 18)` looks like.

```
.text, #text, p{  
    color:rgb(121, 135, 18)  
}
```

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(121, 135, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 135, 18) }
```

Border

The CSS property to change the border of an element to Yxy 21.4366, 0.3973, 0.5113 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(121, 135, 18) }
```

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

```
.border{ border-color:rgb(121, 135, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 135, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 135, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 135, 18);  
box-shadow:4px 4px 4px 4px rgb(121, 135,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4366, 0.3973, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 135, 18) }
```

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

```
.background{ background-color: rgb(121,  
135, 18) }
```

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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