

Converting Colors

$Y_{xy}(22.3509, 0.3962, 0.5153)$

Have a look what the booklet for
Yxy(22.3509, 0.3962, 0.5153)
contains.

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Color

Yxy(22.3462, 0.3965, 0.5153)

Conversions

Conversions Part 1

Format	Color
Hex	7A8A0E
RGB	122, 138, 14
RGB Percent	48%, 54%, 5%
CMY	0.5216, 0.4588, 0.9448
CMYK	0.12, 0.00, 0.90, 0.46
HSL	68°, 81%, 30%
HSV	68°, 90%, 54%
XYZ	17.1944, 22.3462, 3.8248
YIQ	119.0800, 30.2680, -41.9560

Conversions

Conversions Part 2

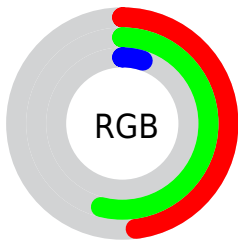
Format	Color
R_{YB}	14, 138, 30
Decimal	8030734
CIE Lab	54.39, -20.63, 55.87
CIE LCh	54, 59.554, 110.271
Yxy	22.3462, 0.3965, 0.5153
Android (android.graphics.Color)	4286220814 (0xFF7A8A0E)
YUV	119.0800, -51.8044, 2.5608
Hunter-Lab	47.2718, -17.7989, 28.2930

Details

The Yxy color **22.3462, 0.3965, 0.5153** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.4283, 0.1654, 0.0760**, and the grayscale version is **18.6378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2210, 0.3860, 0.4769**, and **8.2447, 0.3843, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **22.1870, 0.3973, 0.5226**, and if you desaturate by 10%, it is **22.5298, 0.3939, 0.5049**.

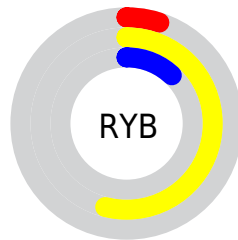
Distribution



Red (48%)

Green (54%)

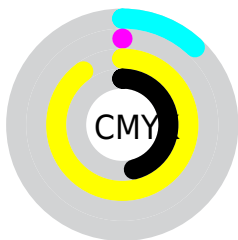
Blue (5%)



Red (5%)

Yellow (54%)

Blue (12%)

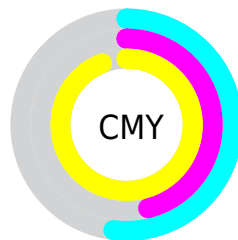


Cyan (12%)

Magenta (0%)

Yellow (90%)

Black (46%)



Cyan (52%)

Magenta (46%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3462, 0.3965, 0.5153 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 22.3462, 0.3965, 0.5153 by changing the saturation by 10% instead.

■ 22.3462, 0.3965,
0.5153

■ 22.3462, 0.3965,
0.5153

■ 264.3489, 0.3585,
0.4130

■ 14.1115, 0.4010,
0.5405

■ 47.3175, 0.3854,
0.4774

■ 8.1983, 0.4063,
0.5768

■ 64.8229, 0.3802,
0.4632

■ 4.2221, 0.3943,
0.6057

■ 86.1874, 0.3755,
0.4513

■ 1.7985, 0.3624,
0.6376

■ 111.7953, 0.3713,
0.4412

■ 0.4863, 0.0000,
1.0000


■ 142.0310, 0.3675,
0.4326

■ 0.0000, 0.0000,
0.0000


■ 177.2789, 0.3642,

0.4252


 217.9234, 0.3612,
0.4187


 22.3462, 0.3965,
0.5153

 22.3462, 0.3965,
0.5153


 22.1870, 0.3973,
0.5226


 22.5298, 0.3939,
0.5049

 22.1839, 0.3973,
0.5227

 22.7451, 0.3889,
0.4903

 22.9967, 0.3816,
0.4720

 23.2879, 0.3723,
0.4505

 23.6215, 0.3615,
0.4270

■ 23.9999, 0.3496,
0.4022

■ 24.4255, 0.3372,
0.3770

■ 24.9006, 0.3247,
0.3523

■ 25.4271, 0.3125,
0.3285

Harmonies

Analogous

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



22.3462, 0.4769, 0.4549



22.3462, 0.3965, 0.5153



22.3462, 0.3008, 0.5171

Triad

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



22.3462, 0.3965, 0.5153



22.3462, 0.1419, 0.2232



22.3462, 0.4041, 0.2501

Complementary

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



22.3462, 0.3965, 0.5153



2.4283, 0.1654, 0.0760

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.



22.3462, 0.2947, 0.2034



22.3462, 0.3965, 0.5153



22.3462, 0.1586, 0.1847

Square

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



22.3462, 0.3965, 0.5153



22.3462, 0.1583, 0.3067



22.3462, 0.2087, 0.1802



22.3462, 0.4930, 0.3124

Rectangle

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



22.3462, 0.3965, 0.5153



22.3462, 0.2398, 0.4657



22.3462, 0.2087, 0.1802



22.3462, 0.3671, 0.2323

Sweetspot

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



22.3472, 0.3965, 0.5153



42.4621, 0.3469, 0.3966



6.2914, 0.5994, 0.3432



9.4778, 0.3504, 0.4038



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.



22.3472, 0.3965, 0.5153



39.0537, 0.3968, 0.5231



19.2201, 0.3284, 0.5671



5.8128, 0.3239, 0.3507



20.3432, 0.3974, 0.5227



0.1394, 0.4088, 0.5136

Inverse Universe

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



2.4283, 0.1654, 0.0760



3.4172, 0.1550, 0.0628



4.3498, 0.2386, 0.1152



4.9212, 0.3009, 0.3066



1.8027, 0.1563, 0.0635



0.0154, 0.1817, 0.0775

Previews

White Background



This preview shows how the Yxy color 22.3462, 0.3965, 0.5153 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 22.3462, 0.3965, 0.5153 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 22.3462, 0.3965, 0.5153

Background



This preview shows how black text looks on a background with the Yxy color 22.3462, 0.3965, 0.5153.



This preview shows how white text looks on a background with the Yxy color 22.3462, 0.3965, 0.5153.

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

22.3462, 0.3965, 0.5153

Protanopia

22.1925, 0.4382, 0.4844

Deuteranopia

22.1376, 0.4625, 0.4532



Tritanopia

22.1789, 0.3066, 0.3116

Trichromacy



Original Color

22.3462, 0.3965, 0.5153

Protanomaly

22.2049, 0.4229, 0.4959

Deuteranomaly

21.8858, 0.4398, 0.4752

Tritanomaly

21.8820, 0.3505, 0.4009

Monochromacy



Original Color

22.3462, 0.3965, 0.5153

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5089, 0.3561, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3462, 0.3965, 0.5153 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(122, 138, 14)` looks like.

```
.text, #text, p{  
  color:rgb(122, 138, 14)  
}
```

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(122, 138, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 138, 14) }
```

Border

The CSS property to change the border of an element to Yxy 22.3462, 0.3965, 0.5153 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(122, 138, 14) }
```

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

```
.border{ border-color:rgb(122, 138, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 138, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 138, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 138, 14);  
box-shadow:4px 4px 4px 4px rgb(122, 138,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3462, 0.3965, 0.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 138, 14) }
```

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

```
.background{ background-color: rgb(122,  
138, 14) }
```

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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