

Converting Colors

$Y_{xy}(21.9557, 0.4138, 0.5105)$

Have a look what the booklet for
Yxy(21.9557, 0.4138, 0.5105)
contains.

Yxy(22.0738, 0.4131, 0.5102)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.0738, 0.4131, 0.5102)

Conversions

Conversions Part 1

Format	Color
Hex	828700
RGB	130, 135, 0
RGB Percent	51%, 53%, 0%
CMY	0.4901, 0.4706, 1.0000
CMYK	0.04, 0.00, 1.00, 0.47
HSL	62°, 100%, 26%
HSV	62°, 100%, 53%
XYZ	17.8728, 22.0738, 3.3184
YIQ	118.1150, 40.3550, -43.0450

Conversions

Conversions Part 2

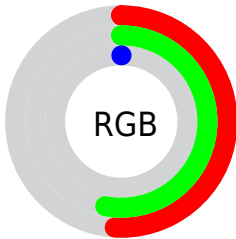
Format	Color
RYB	0, 135, 5
Decimal	8554240
CIELab	54.11, -15.72, 58.40
CIELCh	54, 60.479, 105.070
Yxy	22.0738, 0.4131, 0.5102
Android (android.graphics.Color)	4286744320 (0xFF828700)
YUV	118.1150, -58.2307, 10.4231
Hunter-Lab	46.9828, -14.3164, 28.7002

Details

The Yxy color **22.0738, 0.4131, 0.5102** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.7813, 0.1516, 0.0609**, and the grayscale version is **18.3331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8229, 0.3986, 0.4752**, and **8.2334, 0.4024, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **22.0748, 0.4131, 0.5102**, and if you desaturate by 10%, it is **22.1446, 0.4107, 0.5045**.

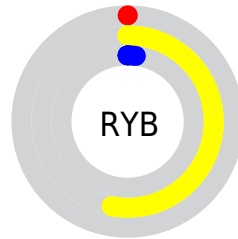
Distribution



Red (51%)

Green (53%)

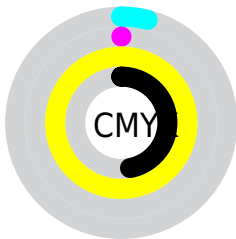
Blue (0%)



Red (0%)

Yellow (53%)

Blue (2%)

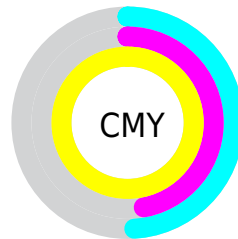


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (49%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0738, 0.4131, 0.5102 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 22.0738, 0.4131, 0.5102 by changing the saturation by 10% instead.


 22.0738, 0.4131,
0.5102


 22.0738, 0.4131,
0.5102


 262.9314, 0.3664,
0.4131


 13.9111, 0.4194,
0.5324


 46.8679, 0.3990,
0.4752

 8.0589, 0.4302,
0.5678


 64.2682, 0.3926,
0.4617


 4.1327, 0.4166,
0.5834

 85.5165, 0.3869,
0.4504

 1.7480, 0.3921,
0.6079

 110.9971, 0.3818,
0.4406

 0.4545, 0.0957,
0.9043


 141.0945, 0.3773,
0.4323


 0.0000, 0.0000,
0.0000


 176.1931, 0.3732,

0.4250


 216.6773, 0.3696,
0.4187


 22.0738, 0.4131,
0.5102


 22.0738, 0.4131,
0.5102


 22.0748, 0.4131,
0.5102

 22.1446, 0.4107,
0.5045

 22.2330, 0.4066,
0.4960

 22.3503, 0.4000,
0.4834

 22.5000, 0.3911,
0.4669

 22.6851, 0.3802,
0.4472

■ 22.9083, 0.3678,
0.4251

■ 23.1719, 0.3544,
0.4014

■ 23.4782, 0.3404,
0.3770

■ 23.8292, 0.3264,
0.3526

Harmonies

Analogous

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



22.0738, 0.4901, 0.4434



22.0738, 0.4131, 0.5102



22.0738, 0.3171, 0.5276

Triad

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



22.0738, 0.4131, 0.5102



22.0738, 0.1397, 0.2322



22.0738, 0.3863, 0.2391

Complementary

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



22.0738, 0.4131, 0.5102



1.7813, 0.1516, 0.0609

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.



22.0738, 0.2766, 0.1956



22.0738, 0.4131, 0.5102



22.0738, 0.1511, 0.1864

Square

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



22.0738, 0.4131, 0.5102



22.0738, 0.1625, 0.3257



22.0738, 0.1956, 0.1767



22.0738, 0.4847, 0.3001

Rectangle

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



22.0738, 0.4131, 0.5102



22.0738, 0.2535, 0.4863



22.0738, 0.1956, 0.1767



22.0738, 0.3483, 0.2222

Sweetspot

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



22.0748, 0.4131, 0.5102



41.4646, 0.3553, 0.4030



5.2483, 0.6366, 0.3328



9.5610, 0.3603, 0.4118



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.



22.0748, 0.4131, 0.5102



39.5182, 0.4130, 0.5103



18.3838, 0.3339, 0.5730



5.4145, 0.3252, 0.3505



20.3582, 0.4131, 0.5102



0.0712, 0.4164, 0.5075

Inverse Universe

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



1.7813, 0.1516, 0.0609



3.1744, 0.1512, 0.0607



3.1269, 0.2114, 0.0938



4.5521, 0.2997, 0.3066



1.6440, 0.1517, 0.0609



0.0062, 0.1595, 0.0652

Previews

White Background



This preview shows how the Yxy color 22.0738, 0.4131, 0.5102 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 22.0738, 0.4131, 0.5102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

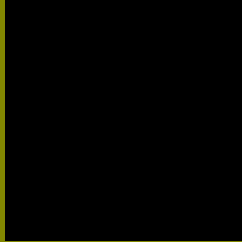
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0738, 0.4131, 0.5102

Background



This preview shows how black text looks on a background with the Yxy color 22.0738, 0.4131, 0.5102.



This preview shows how white text looks on a background with the Yxy color 22.0738, 0.4131, 0.5102.

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

22.0738, 0.4131, 0.5102

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

22.0066, 0.4640, 0.4574



Tritanopia

21.9055, 0.3183, 0.3119

Trichromacy



Original Color

22.0738, 0.4131, 0.5102

Protanomaly

22.0780, 0.4294, 0.4972

Deuteranomaly

21.7871, 0.4467, 0.4765

Tritanomaly

21.6066, 0.3698, 0.4059

Monochromacy



Original Color

22.0738, 0.4131, 0.5102

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0609, 0.3665, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0738, 0.4131, 0.5102 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(130, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 135, 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(130, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0738, 0.4131, 0.5102 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(130, 135, 0) }
```

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

```
.border{ border-color:rgb(130, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 135,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0738, 0.4131, 0.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 135, 0) }
```

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

```
.background{ background-color: rgb(130,  
135, 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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