

Converting Colors

$Y_{xy}(19.7279, 0.3893, 0.5146)$

Have a look what the booklet for
Yxy(19.7279, 0.3893, 0.5146)
contains.

Yxy(19.7279, 0.3893, 0.5146)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7279, 0.3893, 0.5146)

Conversions

Conversions Part 1

Format	Color
Hex	708314
RGB	112, 131, 20
RGB Percent	44%, 51%, 8%
CMY	0.5608, 0.4863, 0.9215
CMYK	0.15, 0.00, 0.85, 0.49
HSL	70°, 73%, 30%
HSV	70°, 85%, 51%
XYZ	14.9244, 19.7279, 3.6841
YIQ	112.6650, 24.3070, -38.5490

Conversions

Conversions Part 2

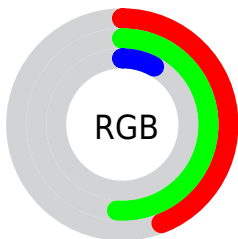
Format	Color
RYB	20, 131, 39
Decimal	7373588
CIELab	51.53, -21.32, 51.74
CIELCh	52, 55.962, 112.398
Yxy	19.7279, 0.3893, 0.5146
Android (android.graphics.Color)	4285563668 (0xFF708314)
YUV	112.6650, -45.6838, -0.5832
Hunter-Lab	44.4161, -17.7500, 26.1734

Details

The Yxy color **19.7279, 0.3893, 0.5146** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.5722, 0.1761, 0.0873**, and the grayscale version is **16.5426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0183, 0.3789, 0.4741**, and **6.9952, 0.3763, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **19.5480, 0.3901, 0.5240**, and if you desaturate by 10%, it is **19.9378, 0.3861, 0.5011**.

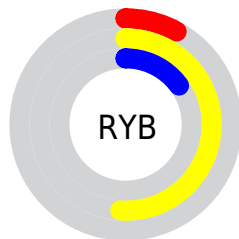
Distribution



Red (44%)

Green (51%)

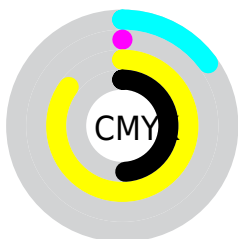
Blue (8%)



Red (8%)

Yellow (51%)

Blue (15%)

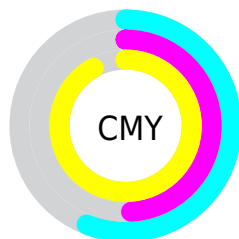


Cyan (15%)

Magenta (0%)

Yellow (85%)

Black (49%)



Cyan (56%)


Magenta (49%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7279, 0.3893, 0.5146 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 19.7279, 0.3893, 0.5146 by changing the saturation by 10% instead.


 19.7279, 0.3893,
0.5146

 19.7279, 0.3893,
0.5146


 250.4383, 0.3538,
0.4096


 12.1974, 0.3934,
0.5420


 42.9605, 0.3788,
0.4746


 6.8783, 0.3997,
0.5848


 59.4314, 0.3739,
0.4599

 3.3861, 0.3835,
0.6165

 79.6513, 0.3695,
0.4478

 1.3365, 0.3413,
0.6587

 104.0044, 0.3656,
0.4376

 0.1692, 0.0000,
1.0000

 132.8753, 0.3621,
0.4290

 0.0000, 0.0000,
0.0000

 166.6483, 0.3590,


0.4216


 205.7078, 0.3563,
0.4152


 19.7279, 0.3893,
0.5146

 19.7279, 0.3893,
0.5146

 19.5480, 0.3901,
0.5240


 19.9378, 0.3861,
0.5011

 19.4574, 0.3902,
0.5284

 20.1790, 0.3806,
0.4836

 20.4556, 0.3729,
0.4628

 20.7702, 0.3636,
0.4395

 21.1250, 0.3529,
0.4147

■ 21.5222, 0.3415,
0.3894

■ 21.9639, 0.3298,
0.3643

■ 22.4518, 0.3181,
0.3400

■ 22.9878, 0.3068,
0.3170

Harmonies

Analogous

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



19.7279, 0.4699, 0.4585



19.7279, 0.3893, 0.5146



19.7279, 0.2949, 0.5094

Triad

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



19.7279, 0.3893, 0.5146



19.7279, 0.1446, 0.2212



19.7279, 0.4098, 0.2555

Complementary

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



19.7279, 0.3893, 0.5146



2.5722, 0.1761, 0.0873

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.



19.7279, 0.3024, 0.2079



19.7279, 0.3893, 0.5146



19.7279, 0.1634, 0.1857

Square

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



19.7279, 0.3893, 0.5146



19.7279, 0.1586, 0.3001



19.7279, 0.2154, 0.1833



19.7279, 0.4935, 0.3178

Rectangle

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



19.7279, 0.3893, 0.5146



19.7279, 0.2356, 0.4551



19.7279, 0.2154, 0.1833



19.7279, 0.3740, 0.2375

Sweetspot

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



19.7288, 0.3893, 0.5146



38.4743, 0.3425, 0.3916



6.2962, 0.5718, 0.3530



8.9063, 0.3460, 0.3992



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.7288, 0.3893, 0.5146



34.7832, 0.3895, 0.5289



17.1549, 0.3252, 0.5618



5.3838, 0.3233, 0.3506



19.1525, 0.3902, 0.5283



0.0690, 0.4052, 0.5165

Inverse Universe

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



2.5722, 0.1761, 0.0873



3.1997, 0.1579, 0.0644



4.5204, 0.2535, 0.1278



4.5801, 0.3016, 0.3068



1.7868, 0.1594, 0.0652



0.0084, 0.1912, 0.0827

Previews

White Background



This preview shows how the Yxy color 19.7279, 0.3893, 0.5146 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 19.7279, 0.3893, 0.5146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

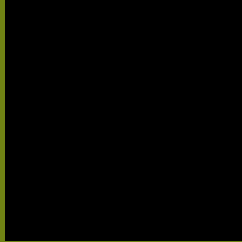
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7279, 0.3893, 0.5146

Background



This preview shows how black text looks on a background with the Yxy color 19.7279, 0.3893, 0.5146.



This preview shows how white text looks on a background with the Yxy color 19.7279, 0.3893, 0.5146.

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

19.7279, 0.3893, 0.5146

Protanopia

19.6129, 0.4341, 0.4817

Deuteranopia

19.4495, 0.4591, 0.4511



Tritanopia

19.7226, 0.3016, 0.3106

Trichromacy



Original Color

19.7279, 0.3893, 0.5146

Protanomaly

19.6359, 0.4179, 0.4934

Deuteranomaly

19.2383, 0.4345, 0.4730

Tritanomaly

19.2741, 0.3427, 0.3957

Monochromacy



Original Color

19.7279, 0.3893, 0.5146

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.5082, 0.3520, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7279, 0.3893, 0.5146 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(112, 131, 20)` looks like.

```
.text, #text, p{  
    color:rgb(112, 131, 20)  
}
```

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(112, 131, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 131, 20) }
```

Border

The CSS property to change the border of an element to Yxy 19.7279, 0.3893, 0.5146 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(112, 131, 20) }
```

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

```
.border{ border-color:rgb(112, 131, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 131, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 131, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 131, 20);  
box-shadow:4px 4px 4px 4px rgb(112, 131,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7279, 0.3893, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 131, 20) }
```

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

```
.background{ background-color: rgb(112,  
131, 20) }
```

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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