

Converting Colors

$Y_{xy}(12.4882, 0.5616, 0.3923)$

Have a look what the booklet for
Yxy(12.4882, 0.5616, 0.3923)
contains.

Yxy(12.4873, 0.5622, 0.3918)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.4873, 0.5622, 0.3918)$

Conversions

Conversions Part 1

Format	Color
Hex	A64600
RGB	166, 70, 0
RGB Percent	65%, 27%, 0%
CMY	0.3490, 0.7255, 1.0000
CMYK	0.00, 0.58, 1.00, 0.35
HSL	25°, 100%, 33%
HSV	25°, 100%, 65%
XYZ	17.9182, 12.4873, 1.4661
YIQ	90.7240, 79.6860, -1.4180

Conversions

Conversions Part 2

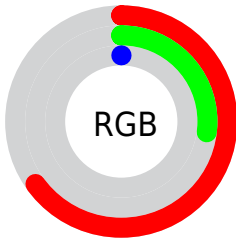
Format	Color
RYB	166, 121, 0
Decimal	10896896
CIELab	41.98, 36.78, 52.39
CIELCh	42, 64.008, 54.926
Yxy	12.4873, 0.5622, 0.3918
Android (android.graphics.Color)	4289086976 (0xFFA64600)
YUV	90.7240, -44.7269, 66.0171
Hunter-Lab	35.3374, 28.6701, 22.2763

Details

The Yxy color **12.4873, 0.5622, 0.3918** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.1248, 0.1850, 0.1859**, and the grayscale version is **10.4859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4542, 0.5100, 0.3928**, and **3.5299, 0.6138, 0.3508** is the 20% darker color. If you saturate the color by 10%, you get **12.4873, 0.5622, 0.3918**, and if you desaturate by 10%, it is **13.8261, 0.5381, 0.3985**.

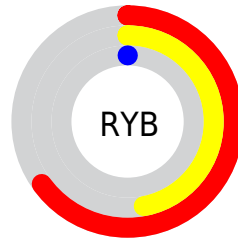
Distribution



Red (65%)

Green (27%)

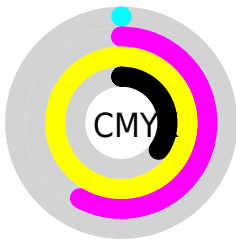
Blue (0%)



Red (65%)

Yellow (47%)

Blue (0%)

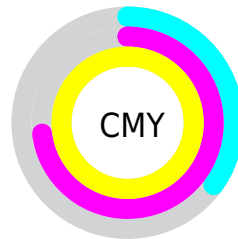


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4873, 0.5622, 0.3918 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 12.4873, 0.5622, 0.3918 by changing the saturation by 10% instead.


 12.4873, 0.5622,
0.3918


 12.4873, 0.5622,
0.3918


 207.6052, 0.4210,
0.3744


 7.0765, 0.6019,
0.3875


 30.3796, 0.5099,
0.3929

 3.5100, 0.6358,
0.3642

 43.6298, 0.4901,
0.3906

 1.4034, 0.6787,
0.3213

 60.2619, 0.4735,
0.3878

 0.2192, 0.8381,
0.1619

 80.6604, 0.4596,
0.3849

 0.0000, 1.0000,
0.0000


 105.2095, 0.4477,
0.3820

 0.0000, 0.0000,
0.0000

 134.2938, 0.4375,


0.3793


 168.2975, 0.4287,
0.3768


 12.4873, 0.5622,
0.3918

 13.8261, 0.5381,
0.3985

 15.3973, 0.5105,
0.4011

 17.2232, 0.4802,
0.3987

 19.3172, 0.4495,
0.3924

 21.6916, 0.4201,
0.3834

■ 24.3577, 0.3930,
0.3728

■ 27.3260, 0.3687,
0.3615

■ 30.6065, 0.3473,
0.3502

■ 34.2088, 0.3288,
0.3393

Harmonies

Analogous

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



12.4873, 0.5554, 0.3123



12.4873, 0.5622, 0.3918



12.4873, 0.4923, 0.4843

Triad

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



12.4873, 0.5622, 0.3918



12.4873, 0.1703, 0.4335



12.4873, 0.1961, 0.1517

Complementary

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



12.4873, 0.5622, 0.3918



11.1248, 0.1850, 0.1859

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.



12.4873, 0.1330, 0.1499



12.4873, 0.5622, 0.3918



12.4873, 0.1175, 0.2732

Square

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



12.4873, 0.5622, 0.3918



12.4873, 0.2691, 0.5733



12.4873, 0.1083, 0.1837



12.4873, 0.3076, 0.1828

Rectangle

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



12.4873, 0.5622, 0.3918



12.4873, 0.4224, 0.5454



12.4873, 0.1083, 0.1837



12.4873, 0.1701, 0.1477

Sweetspot

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



12.4880, 0.5622, 0.3918



49.2671, 0.3700, 0.3621



8.9688, 0.4595, 0.2305



10.5239, 0.3795, 0.3667



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.4880, 0.5622, 0.3918



22.2604, 0.5653, 0.3894



30.6233, 0.4346, 0.4931



8.0427, 0.3276, 0.3386



9.7702, 0.5606, 0.3930



0.3397, 0.5035, 0.4384

Inverse Universe

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



11.1248, 0.1850, 0.1859



19.7583, 0.1842, 0.1832



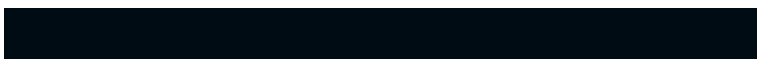
3.0636, 0.1517, 0.0660



7.9940, 0.2987, 0.3193



8.7186, 0.1854, 0.1873



0.3101, 0.1998, 0.2393

Previews

White Background



This preview shows how the Yxy color 12.4873, 0.5622, 0.3918 looks on a white 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

Black Background



This preview shows how the Yxy color 12.4873, 0.5622, 0.3918 looks on a black 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

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

Yxy 12.4873, 0.5622, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 12.4873, 0.5622, 0.3918.



This preview shows how white text looks on a background with the Yxy color 12.4873, 0.5622, 0.3918.

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

12.4873, 0.5622, 0.3918

Protanopia

12.6625, 0.4332, 0.4787

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.5351, 0.4940, 0.3240

Trichromacy



Original Color

12.4873, 0.5622, 0.3918

Protanomaly

12.0722, 0.4843, 0.4448

Deuteranomaly

12.3183, 0.5066, 0.4360

Tritanomaly

12.4116, 0.5315, 0.3585

Monochromacy



Original Color

12.4873, 0.5622, 0.3918

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3436, 0.4184, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4873, 0.5622, 0.3918 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(166, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 70, 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(166, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 70, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.4873, 0.5622, 0.3918 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(166, 70, 0) }
```

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

```
.border{ border-color:rgb(166, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 70, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4873, 0.5622, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 70, 0) }
```

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

```
.background{ background-color: rgb(166, 70,  
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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