

Converting Colors

$Y_{xy}(12.8692, 0.5592, 0.3971)$

Have a look what the booklet for
Yxy(12.8692, 0.5592, 0.3971)
contains.

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Color

Yxy(12.8721, 0.5570, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	A64900
RGB	166, 73, 0
RGB Percent	65%, 29%, 0%
CMY	0.3490, 0.7137, 0.9998
CMYK	0.00, 0.56, 1.00, 0.35
HSL	26°, 100%, 33%
HSV	26°, 100%, 65%
XYZ	18.1100, 12.8721, 1.5314
YIQ	92.4850, 78.8610, -2.9870

Conversions

Conversions Part 2

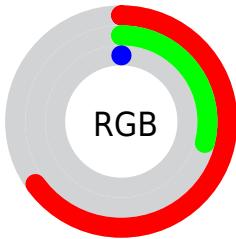
Format	Color
R_{YB}	166, 130, 0
Decimal	10897664
CIE _{Lab}	42.57, 35.26, 52.71
CIE _{LCh}	43, 63.412, 56.218
Yxy	12.8721, 0.5570, 0.3959
Android (android.graphics.Color)	4289087744 (0xFFA64900)
YUV	92.4850, -45.5951, 64.4727
Hunter-Lab	35.8777, 27.3156, 22.5837

Details

The Yxy color **12.8721, 0.5570, 0.3959** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.5930, 0.1833, 0.1797**, and the grayscale version is **10.9159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2047, 0.5060, 0.3953**, and **3.6770, 0.6064, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **12.8691, 0.5571, 0.3959**, and if you desaturate by 10%, it is **14.2275, 0.5335, 0.4023**.

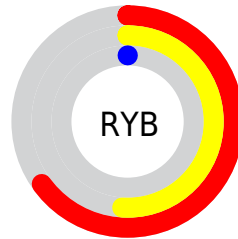
Distribution



Red (65%)

Green (29%)

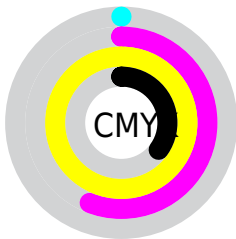
Blue (0%)



Red (65%)

Yellow (51%)

Blue (0%)

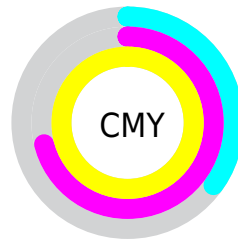


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8721, 0.5570, 0.3959 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 12.8721, 0.5570, 0.3959 by changing the saturation by 10% instead.


 12.8721, 0.5570,
0.3959


 12.8721, 0.5570,
0.3959


 210.0963, 0.4194,
0.3757


 7.3405, 0.5948,
0.3923


 31.0738, 0.5061,
0.3956


 3.6760, 0.6286,
0.3714

 44.5128, 0.4869,
0.3930

 1.4940, 0.6692,
0.3308

 61.3563, 0.4707,
0.3899

 0.2845, 0.8038,
0.1962

 81.9888, 0.4571,
0.3867

 0.0000, 1.0000,
0.0000


 106.7946, 0.4455,
0.3837

 0.0000, 0.0000,
0.0000


 136.1582, 0.4355,


0.3808


 170.4640, 0.4269,
0.3782

 12.8721, 0.5570,
0.3959


 12.8721, 0.5570,
0.3959


 12.8691, 0.5571,
0.3959

 14.2275, 0.5335,
0.4023

 15.8052, 0.5068,
0.4046

 17.6267, 0.4774,
0.4018

 19.7045, 0.4475,
0.3950

 22.0503, 0.4188,
0.3856

■ 24.6746, 0.3922,
0.3745

■ 27.5875, 0.3682,
0.3628

■ 30.7983, 0.3471,
0.3511

■ 34.3158, 0.3287,
0.3397

Harmonies

Analogous

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



12.8721, 0.5535, 0.3165



12.8721, 0.5570, 0.3959



12.8721, 0.4862, 0.4870

Triad

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



12.8721, 0.5570, 0.3959



12.8721, 0.1695, 0.4239



12.8721, 0.2016, 0.1547

Complementary

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



12.8721, 0.5570, 0.3959



10.5930, 0.1833, 0.1797

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.



12.8721, 0.1372, 0.1517



12.8721, 0.5570, 0.3959



12.8721, 0.1190, 0.2694

Square

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



12.8721, 0.5570, 0.3959



12.8721, 0.2658, 0.5647



12.8721, 0.1112, 0.1837



12.8721, 0.3136, 0.1868

Rectangle

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



12.8721, 0.5570, 0.3959



12.8721, 0.4171, 0.5458



12.8721, 0.1112, 0.1837



12.8721, 0.1752, 0.1504

Sweetspot

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



12.8728, 0.5570, 0.3959



49.7382, 0.3696, 0.3635



8.9188, 0.4663, 0.2343



10.6391, 0.3790, 0.3683



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.



12.8728, 0.5570, 0.3959



22.9474, 0.5600, 0.3935



31.5322, 0.4314, 0.4957



8.0646, 0.3275, 0.3390



10.0684, 0.5555, 0.3971



0.3476, 0.5001, 0.4412

Inverse Universe

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



10.5930, 0.1833, 0.1797



18.7874, 0.1825, 0.1768



2.9957, 0.1513, 0.0647



7.9717, 0.2987, 0.3188



8.3045, 0.1836, 0.1811



0.3013, 0.1987, 0.2352

Previews

White Background



This preview shows how the Yxy color 12.8721, 0.5570, 0.3959 looks on a white background.

Color Contrast Check

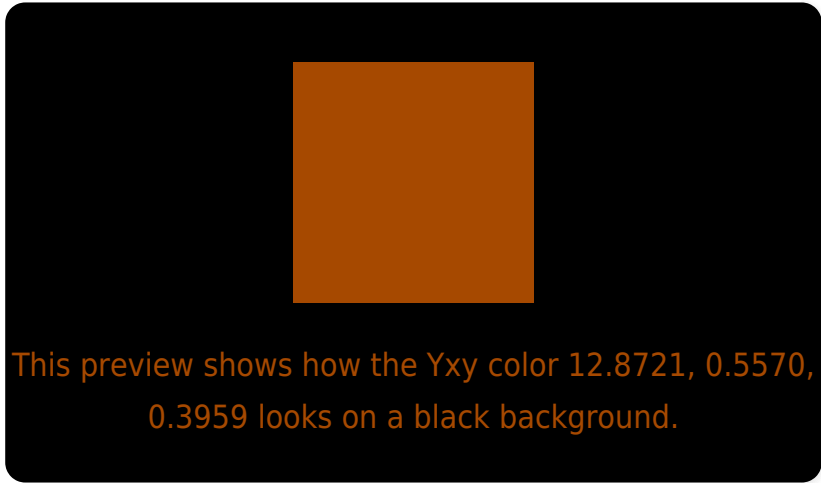
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.8721, 0.5570, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 12.8721, 0.5570, 0.3959.



This preview shows how white text looks on a background with the Yxy color 12.8721, 0.5570, 0.3959.

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

12.8721, 0.5570, 0.3959

Protanopia

13.1176, 0.4316, 0.4804

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.9270, 0.4856, 0.3238

Trichromacy



Original Color

12.8721, 0.5570, 0.3959

Protanomaly

12.4906, 0.4819, 0.4469

Deuteranomaly

12.7302, 0.5039, 0.4381

Tritanomaly

12.7931, 0.5247, 0.3605

Monochromacy



Original Color

12.8721, 0.5570, 0.3959

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7347, 0.4163, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8721, 0.5570, 0.3959 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, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 73, 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, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 73, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.8721, 0.5570, 0.3959 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, 73, 0) }
```

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

```
.border{ border-color:rgb(166, 73, 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, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 73, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8721, 0.5570, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 73, 0) }
```

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

```
.background{ background-color: rgb(166, 73,  
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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