

Converting Colors

$Y_{xy}(12.3757, 0.5247, 0.4206)$

Have a look what the booklet for
Yxy(12.3757, 0.5247, 0.4206)
contains.

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Color

Yxy(12.2766, 0.5253, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	955101
RGB	149, 81, 1
RGB Percent	58%, 32%, 0%
CMY	0.4156, 0.6824, 0.9962
CMYK	0.00, 0.46, 0.99, 0.42
HSL	32°, 99%, 29%
HSV	32°, 99%, 58%
XYZ	15.3436, 12.2766, 1.5890
YIQ	92.2120, 66.2080, -10.4640

Conversions

Conversions Part 2

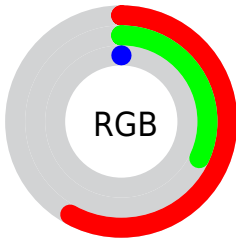
Format	Color
R_{YB}	127, 149, 1
Decimal	9785601
CIE Lab	41.65, 23.75, 50.53
CIE LCh	42, 55.828, 64.827
Yxy	12.2766, 0.5253, 0.4203
Android (android.graphics.Color)	4287975681 (0xFF955101)
YUV	92.2120, -44.9675, 49.8031
Hunter-Lab	35.0380, 16.8509, 21.8378

Details

The Yxy color **12.2766, 0.5253, 0.4203** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4317, 0.1748, 0.1486**, and the grayscale version is **10.8482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0934, 0.4804, 0.4110**, and **3.4774, 0.5635, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **12.2084, 0.5266, 0.4201**, and if you desaturate by 10%, it is **13.3815, 0.5057, 0.4238**.

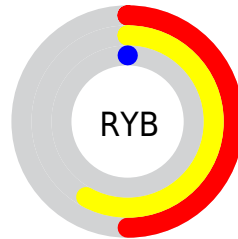
Distribution



Red (58%)

Green (32%)

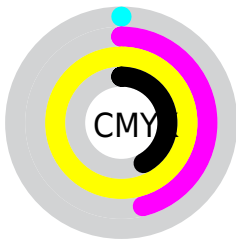
Blue (0%)



Red (50%)

Yellow (58%)

Blue (0%)

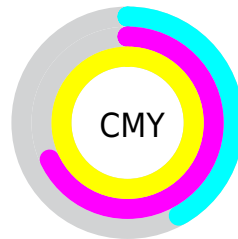


Cyan (0%)

Magenta (46%)

Yellow (99%)

Black (42%)



Cyan (42%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2766, 0.5253, 0.4203 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 12.2766, 0.5253, 0.4203 by changing the saturation by 10% instead.

 12.2766, 0.5253,
0.4203


 12.2766, 0.5253,
0.4203


 206.2280, 0.4047,
0.3815

 6.9323, 0.5591,
0.4236


 29.9979, 0.4804,
0.4115

 3.4198, 0.5888,
0.4112

 43.1437, 0.4635,
0.4061


 1.3546, 0.6211,
0.3789

 59.6588, 0.4493,
0.4010

 0.1829, 0.8047,
0.1953


 79.9277, 0.4374,
0.3962


 0.0000, 0.0000,
0.0000


 104.3346, 0.4274,
0.3919

 133.2640, 0.4187,


0.3881


 167.1003, 0.4112,
0.3846


 12.2766, 0.5253,
0.4203


 12.2766, 0.5253,
0.4203


 12.2084, 0.5266,
0.4201

 13.3815, 0.5057,
0.4238

 14.6171, 0.4836,
0.4231

 15.9972, 0.4593,
0.4177

 17.5290, 0.4341,
0.4084

 19.2189, 0.4093,
0.3965

■ 21.0728, 0.3859,
0.3831

■ 23.0961, 0.3643,
0.3690

■ 25.2940, 0.3447,
0.3549

■ 27.6713, 0.3272,
0.3412

Harmonies

Analogous

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



12.2766, 0.5408, 0.3424



12.2766, 0.5253, 0.4203



12.2766, 0.4509, 0.5024

Triad

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



12.2766, 0.5253, 0.4203



12.2766, 0.1649, 0.3711



12.2766, 0.2370, 0.1736

Complementary

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



12.2766, 0.5253, 0.4203



6.4317, 0.1748, 0.1486

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.



12.2766, 0.1638, 0.1630



12.2766, 0.5253, 0.4203



12.2766, 0.1281, 0.2485

Square

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



12.2766, 0.5253, 0.4203



12.2766, 0.2451, 0.5100



12.2766, 0.1293, 0.1838



12.2766, 0.3504, 0.2116

Rectangle

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



12.2766, 0.5253, 0.4203



12.2766, 0.3849, 0.5451



12.2766, 0.1293, 0.1838



12.2766, 0.2079, 0.1669

Sweetspot

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



12.2773, 0.5253, 0.4203



40.8805, 0.3669, 0.3708



6.8547, 0.5046, 0.2559



8.7499, 0.3750, 0.3762



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.2773, 0.5253, 0.4203



21.4973, 0.5293, 0.4179



27.4360, 0.4135, 0.5094



6.3035, 0.3270, 0.3410



10.3336, 0.5257, 0.4208



0.1855, 0.4700, 0.4650

Inverse Universe

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



6.4317, 0.1748, 0.1486



11.0374, 0.1733, 0.1439



2.2297, 0.1517, 0.0614



6.0457, 0.2989, 0.3167



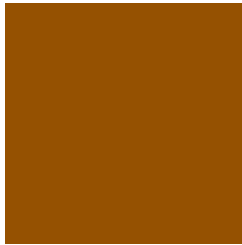
5.4107, 0.1746, 0.1486



0.1241, 0.1969, 0.2289

Previews

White Background



This preview shows how the Yxy color 12.2766, 0.5253, 0.4203 looks on a white background.

Color Contrast Check

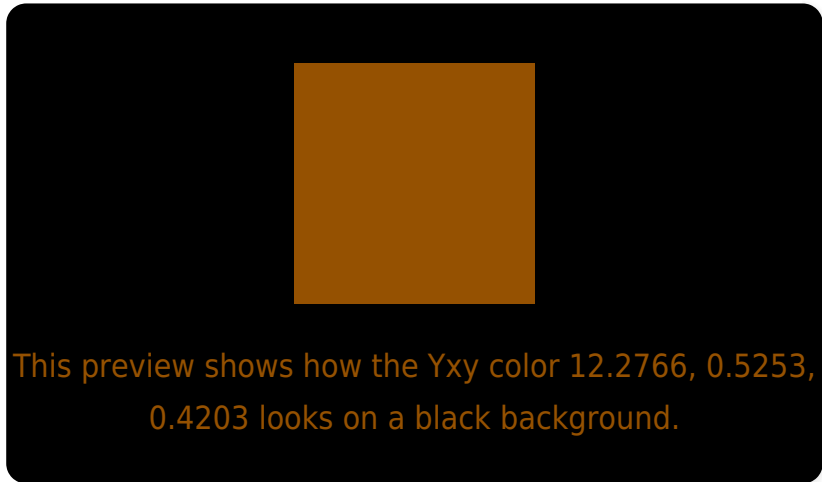
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2766, 0.5253, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 12.2766, 0.5253, 0.4203.



This preview shows how white text looks on a background with the Yxy color 12.2766, 0.5253, 0.4203.

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

12.2766, 0.5253, 0.4203

Protanopia

12.3950, 0.4353, 0.4813

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.3016, 0.4401, 0.3194

Trichromacy



Original Color

12.2766, 0.5253, 0.4203

Protanomaly

12.0318, 0.4694, 0.4581

Deuteranomaly

12.2131, 0.4916, 0.4479

Tritanomaly

12.1350, 0.4872, 0.3687

Monochromacy



Original Color

12.2766, 0.5253, 0.4203

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.8059, 0.4027, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2766, 0.5253, 0.4203 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(149, 81, 1)` looks like.

```
.text, #text, p{  
    color:rgb(149, 81, 1)  
}
```

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(149, 81, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 81, 1) }
```

Border

The CSS property to change the border of an element to Yxy 12.2766, 0.5253, 0.4203 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(149, 81, 1) }
```

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

```
.border{ border-color:rgb(149, 81, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 81, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 81, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 81, 1);  
box-shadow:4px 4px 4px 4px rgb(149, 81, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2766, 0.5253, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 81, 1) }
```

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

```
.background{ background-color: rgb(149, 81,  
1) }
```

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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