

Converting Colors

$Y_{xy}(10.3715, 0.5692, 0.4062)$

Have a look what the booklet for
Yxy(10.3715, 0.5692, 0.4062)
contains.

Yxy(10.4757, 0.5565, 0.3963)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4757, 0.5565, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	974200
RGB	151, 66, 0
RGB Percent	59%, 26%, 0%
CMY	0.4079, 0.7411, 0.9999
CMYK	0.00, 0.56, 1.00, 0.41
HSL	26°, 100%, 30%
HSV	26°, 100%, 59%
XYZ	14.7104, 10.4757, 1.2477
YIQ	83.8910, 71.8460, -2.5060

Conversions

Conversions Part 2

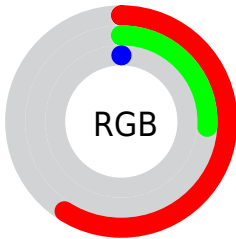
Format	Color
R_{YB}	151, 117, 0
Decimal	9912832
CIE _{Lab}	38.68, 32.75, 49.19
CIE _{LCh}	39, 59.095, 56.347
Yxy	10.4757, 0.5565, 0.3963
Android (android.graphics.Color)	4288102912 (0xFF974200)
YUV	83.8910, -41.3583, 58.8546
Hunter-Lab	32.3662, 24.4872, 20.3708

Details

The Yxy color **10.4757, 0.5565, 0.3963** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.7355, 0.1838, 0.1817**, and the grayscale version is **8.9193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6060, 0.5024, 0.3958**, and **2.6762, 0.6100, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **10.4738, 0.5565, 0.3963**, and if you desaturate by 10%, it is **11.5795, 0.5324, 0.4021**.

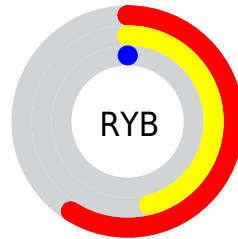
Distribution



Red (59%)

Green (26%)

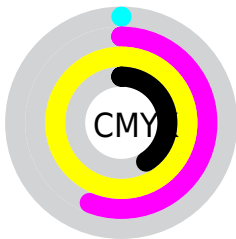
Blue (0%)



Red (59%)

Yellow (46%)

Blue (0%)

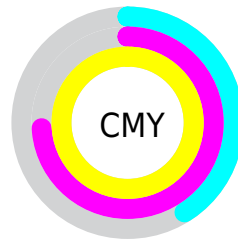


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (74%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4757, 0.5565, 0.3963 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 10.4757, 0.5565, 0.3963 by changing the saturation by 10% instead.


 10.4757, 0.5565,
0.3963

 10.4757, 0.5565,
0.3963


 194.0343, 0.4148,
0.3743


 5.7155, 0.6028,
0.3959

 26.6865, 0.5028,
0.3956


 2.6729, 0.6326,
0.3674

 38.9058, 0.4828,
0.3926


 0.9634, 0.6801,
0.3199

 54.3804, 0.4663,
0.3892

 0.0000, 1.0000,
0.0000


 73.4944, 0.4525,
0.3858

 0.0000, 0.0000,
0.0000

 96.6325, 0.4408,
0.3826


 124.1789, 0.4309,


0.3796

 156.5180, 0.4223,
0.3768

 10.4757, 0.5565,
0.3963

 10.4757, 0.5565,
0.3963

 10.4738, 0.5565,
0.3963

 11.5795, 0.5324,
0.4021

 12.8618, 0.5055,
0.4040

 14.3407, 0.4762,
0.4011

 16.0263, 0.4465,
0.3943

 17.9277, 0.4179,
0.3849

■ 20.0536, 0.3915,
0.3739

■ 22.4117, 0.3678,
0.3624

■ 25.0097, 0.3468,
0.3508

■ 27.8545, 0.3286,
0.3396

Harmonies

Analogous

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



10.4757, 0.5533, 0.3169



10.4757, 0.5565, 0.3963



10.4757, 0.4866, 0.4882

Triad

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



10.4757, 0.5565, 0.3963



10.4757, 0.1695, 0.4230



10.4757, 0.2022, 0.1550

Complementary

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



10.4757, 0.5565, 0.3963



8.7355, 0.1838, 0.1817

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.



10.4757, 0.1376, 0.1519



10.4757, 0.5565, 0.3963



10.4757, 0.1192, 0.2691

Square

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



10.4757, 0.5565, 0.3963



10.4757, 0.2655, 0.5638



10.4757, 0.1115, 0.1837



10.4757, 0.3142, 0.1872

Rectangle

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



10.4757, 0.5565, 0.3963



10.4757, 0.4171, 0.5465



10.4757, 0.1115, 0.1837



10.4757, 0.1757, 0.1506

Sweetspot

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



10.4763, 0.5565, 0.3963



39.8625, 0.3692, 0.3631



7.2449, 0.4650, 0.2335



8.6787, 0.3781, 0.3676



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



10.4763, 0.5565, 0.3963



18.4075, 0.5598, 0.3937



25.6088, 0.4313, 0.4958



6.6446, 0.3273, 0.3388



8.9658, 0.5555, 0.3971



0.2046, 0.4895, 0.4496

Inverse Universe

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



8.7355, 0.1838, 0.1817



15.2710, 0.1830, 0.1787



2.4537, 0.1515, 0.0653



6.5742, 0.2989, 0.3190



7.4870, 0.1841, 0.1827



0.1842, 0.2031, 0.2513

Previews

White Background



This preview shows how the Yxy color 10.4757, 0.5565, 0.3963 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 10.4757, 0.5565, 0.3963 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 10.4757, 0.5565, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 10.4757, 0.5565, 0.3963.



This preview shows how white text looks on a background with the Yxy color 10.4757, 0.5565, 0.3963.

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

10.4757, 0.5565, 0.3963

Protanopia

10.6291, 0.4330, 0.4787

Deuteranopia

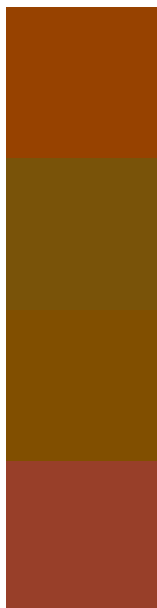
10.5294, 0.4692, 0.4656



Tritanopia

10.4914, 0.4857, 0.3233

Trichromacy



Original Color

10.4757, 0.5565, 0.3963

Protanomaly

10.2712, 0.4803, 0.4474

Deuteranomaly

10.2591, 0.5050, 0.4372

Tritanomaly

10.3905, 0.5248, 0.3605

Monochromacy



Original Color

10.4757, 0.5565, 0.3963

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7529, 0.4160, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4757, 0.5565, 0.3963 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(151, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 66, 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(151, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 66, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.4757, 0.5565, 0.3963 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(151, 66, 0) }
```

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

```
.border{ border-color:rgb(151, 66, 0) }
```

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

Here you see how a box with a 4 pixel rgb(151, 66, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 66, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4757, 0.5565, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 66, 0) }
```

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

```
.background{ background-color: rgb(151, 66,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor