

Converting Colors

$Y_{xy}(12.3632, 0.5639, 0.3905)$

Have a look what the booklet for
Yxy(12.3632, 0.5639, 0.3905)
contains.

Yxy(12.3632, 0.5639, 0.3905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.3632, 0.5639, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	A64500
RGB	166, 69, 0
RGB Percent	65%, 27%, 0%
CMY	0.3490, 0.7294, 1.0000
CMYK	0.00, 0.58, 1.00, 0.35
HSL	25°, 100%, 33%
HSV	25°, 100%, 65%
XYZ	17.8530, 12.3632, 1.4437
YIQ	90.1370, 79.9610, -0.8950

Conversions

Conversions Part 2

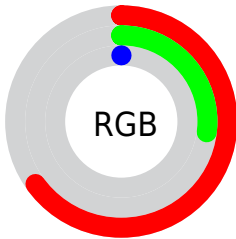
Format	Color
R_{YB}	166, 118, 0
Decimal	10896640
CIE _{Lab}	41.79, 37.26, 52.30
CIE _{LCh}	42, 64.215, 54.529
Yxy	12.3632, 0.5639, 0.3905
Android (android.graphics.Color)	4289086720 (0xFFA64500)
YUV	90.1370, -44.4375, 66.5319
Hunter-Lab	35.1613, 29.1003, 22.1785

Details

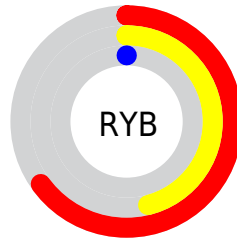
The Yxy color **12.3632, 0.5639, 0.3905** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.2994, 0.1856, 0.1879**, and the grayscale version is **10.3461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2124, 0.5111, 0.3917**, and **3.4651, 0.6172, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **12.3640, 0.5639, 0.3905**, and if you desaturate by 10%, it is **13.6958, 0.5395, 0.3973**.

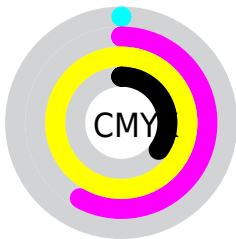
Distribution



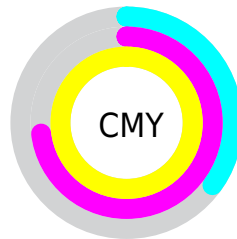
- Red (65%)
- Green (27%)
- Blue (0%)



- Red (65%)
- Yellow (46%)
- 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 12.3632, 0.5639, 0.3905 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 12.3632, 0.5639, 0.3905 by changing the saturation by 10% instead.


 12.3632, 0.5639,
0.3905


 12.3632, 0.5639,
0.3905


 206.7952, 0.4216,
0.3740


 6.9915, 0.6043,
0.3860


 30.1549, 0.5111,
0.3920


 3.4568, 0.6381,
0.3619


 43.3437, 0.4911,
0.3899


 1.3746, 0.6818,
0.3182


 59.9070, 0.4745,
0.3872

 0.1979, 0.8504,
0.1496

 80.2293, 0.4604,
0.3843


 0.0000, 1.0000,
0.0000


 104.6948, 0.4485,
0.3815


 0.0000, 0.0000,
0.0000

 133.6880, 0.4382,

0.3788


 167.5934, 0.4293,
0.3763

 12.3632, 0.5639,
0.3905


 12.3632, 0.5639,
0.3905


 12.3640, 0.5639,
0.3905

 13.6958, 0.5395,
0.3973

 15.2639, 0.5117,
0.4000

 17.0902, 0.4811,
0.3977

 19.1884, 0.4502,
0.3915

 21.5710, 0.4205,
0.3826

■ 24.2495, 0.3932,
0.3722

■ 27.2348, 0.3688,
0.3611

■ 30.5369, 0.3474,
0.3499

■ 34.1656, 0.3288,
0.3392

Harmonies

Analogous

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



12.3632, 0.5560, 0.3109



12.3632, 0.5639, 0.3905



12.3632, 0.4943, 0.4835

Triad

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



12.3632, 0.5639, 0.3905



12.3632, 0.1705, 0.4366



12.3632, 0.1943, 0.1507

Complementary

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



12.3632, 0.5639, 0.3905



11.2994, 0.1856, 0.1879

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.



12.3632, 0.1317, 0.1493



12.3632, 0.5639, 0.3905



12.3632, 0.1170, 0.2744

Square

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



12.3632, 0.5639, 0.3905



12.3632, 0.2700, 0.5761



12.3632, 0.1073, 0.1836



12.3632, 0.3057, 0.1816

Rectangle

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



12.3632, 0.5639, 0.3905



12.3632, 0.4241, 0.5454



12.3632, 0.1073, 0.1836



12.3632, 0.1684, 0.1468

Sweetspot

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



12.3640, 0.5639, 0.3905



49.1149, 0.3701, 0.3617



9.0188, 0.4527, 0.2268



10.4867, 0.3797, 0.3662



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.



12.3640, 0.5639, 0.3905



22.0447, 0.5669, 0.3880



29.7267, 0.4379, 0.4905



8.0356, 0.3276, 0.3384



9.6764, 0.5623, 0.3917



0.3371, 0.5046, 0.4375

Inverse Universe

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



11.2994, 0.1856, 0.1879



20.0822, 0.1848, 0.1852



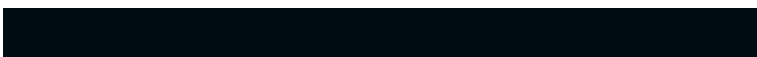
3.1416, 0.1521, 0.0675



8.0013, 0.2987, 0.3194



8.8565, 0.1859, 0.1893



0.3129, 0.2002, 0.2406

Previews

White Background



This preview shows how the Yxy color 12.3632, 0.5639, 0.3905 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 12.3632, 0.5639, 0.3905 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 12.3632, 0.5639, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 12.3632, 0.5639, 0.3905.



This preview shows how white text looks on a background with the Yxy color 12.3632, 0.5639, 0.3905.

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

12.3632, 0.5639, 0.3905

Protanopia

12.5965, 0.4317, 0.4798

Deuteranopia

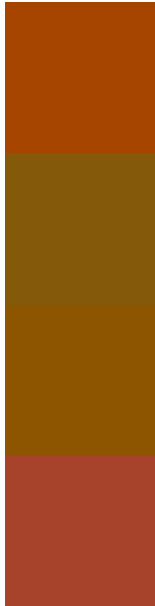
12.4410, 0.4707, 0.4645



Tritanopia

12.4090, 0.4968, 0.3240

Trichromacy



Original Color

12.3632, 0.5639, 0.3905

Protanomaly

12.0722, 0.4843, 0.4448

Deuteranomaly

12.1597, 0.5085, 0.4344

Tritanomaly

12.2863, 0.5342, 0.3582

Monochromacy



Original Color

12.3632, 0.5639, 0.3905

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1815, 0.4212, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3632, 0.5639, 0.3905 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, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 69, 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, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 69, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3632, 0.5639, 0.3905 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, 69, 0) }
```

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

```
.border{ border-color:rgb(166, 69, 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, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3632, 0.5639, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 69, 0) }
```

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

```
.background{ background-color: rgb(166, 69,  
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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