

Converting Colors

$Y_{xy}(12.0906, 0.5447, 0.3774)$

Have a look what the booklet for
Yxy(12.0906, 0.5447, 0.3774)
contains.

Yxy(12.1266, 0.5436, 0.3779)	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(12.1266, 0.5436, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	A3451C
RGB	163, 69, 28
RGB Percent	64%, 27%, 11%
CMY	0.3607, 0.7294, 0.8902
CMYK	0.00, 0.58, 0.83, 0.36
HSL	18°, 71%, 37%
HSV	18°, 83%, 64%
XYZ	17.4438, 12.1266, 2.5190
YIQ	92.4320, 69.1850, 7.1770

Conversions

Conversions Part 2

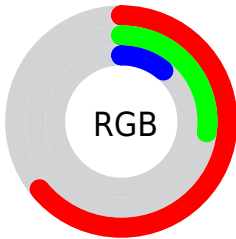
Format	Color
R _Y B	163, 87, 28
Decimal	10700060
CIE Lab	41.42, 36.66, 42.01
CIE LCh	41, 55.752, 48.889
Yxy	12.1266, 0.5436, 0.3779
Android (android.graphics.Color)	4288890140 (0xFFA3451C)
YUV	92.4320, -31.7650, 61.8881
Hunter-Lab	34.8233, 28.4743, 20.0874

Details

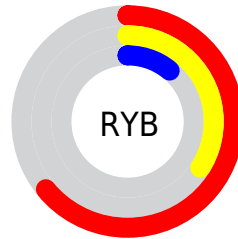
The Yxy color **12.1266, 0.5436, 0.3779** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.8117, 0.2066, 0.2471**, and the grayscale version is **10.8701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7882, 0.4910, 0.3776**, and **3.3757, 0.6146, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **10.8040, 0.5744, 0.3724**, and if you desaturate by 10%, it is **13.7600, 0.5084, 0.3789**.

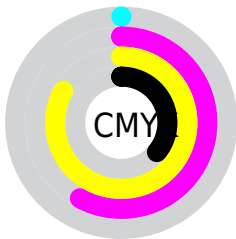
Distribution



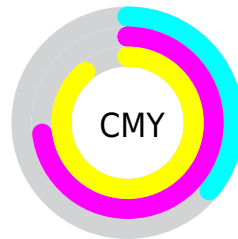
- Red (64%)
- Green (27%)
- Blue (11%)



- Red (64%)
- Yellow (34%)
- Blue (11%)



- Cyan (0%)
- Magenta (58%)
- Yellow (83%)
- Black (36%)




- Cyan (36%)
- Magenta (73%)
- Yellow (89%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1266, 0.5436, 0.3779 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 12.1266, 0.5436, 0.3779 by changing the saturation by 10% instead.


 12.1266, 0.5436,
0.3779


 12.1266, 0.5436,
0.3779


205.2416, 0.4078,
0.3626


 6.8300, 0.5810,
0.3726


 29.7255, 0.4904,
0.3774


 3.3560, 0.6373,
0.3627

 42.7965, 0.4713,
0.3753


 1.3203, 0.6813,
0.3187

 59.2278, 0.4557,
0.3730

 0.1568, 0.8712,
0.1288

 79.4037, 0.4428,
0.3707

 0.0000, 0.0000,
0.0000

 103.7086, 0.4319,
0.3684


 132.5270, 0.4227,


0.3663

 166.2432, 0.4147,
0.3644


 12.1266, 0.5436,
0.3779


 12.1266, 0.5436,
0.3779


 10.8040, 0.5744,
0.3724


 13.7600, 0.5084,
0.3789

 10.0272, 0.5936,
0.3668

 15.7221, 0.4721,
0.3760

 18.0319, 0.4374,
0.3704

 20.7060, 0.4059,
0.3630

 23.7599, 0.3783,
0.3549

■ 27.2082, 0.3545,
0.3467

■ 31.0646, 0.3342,
0.3386

■ 35.3422, 0.3171,
0.3311

■ 40.0535, 0.3026,
0.3240

Harmonies

Analogous

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



12.1266, 0.5154, 0.3037



12.1266, 0.5436, 0.3779



12.1266, 0.4959, 0.4593

Triad

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



12.1266, 0.5436, 0.3779



12.1266, 0.2023, 0.4503



12.1266, 0.1926, 0.1641

Complementary

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



12.1266, 0.5436, 0.3779



16.8117, 0.2066, 0.2471

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.



12.1266, 0.1408, 0.1693



12.1266, 0.5436, 0.3779



12.1266, 0.1419, 0.3065

Square

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



12.1266, 0.5436, 0.3779



12.1266, 0.2996, 0.5507



12.1266, 0.1241, 0.2112



12.1266, 0.2858, 0.1879

Rectangle

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



12.1266, 0.5436, 0.3779



12.1266, 0.4383, 0.5129



12.1266, 0.1241, 0.2112



12.1266, 0.1710, 0.1624

Sweetspot

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



12.1273, 0.5436, 0.3779



47.0241, 0.3604, 0.3488



10.0355, 0.3922, 0.2064



10.0938, 0.3682, 0.3516



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.1273, 0.5436, 0.3779



17.8173, 0.5944, 0.3652



25.4821, 0.4438, 0.4689



7.4205, 0.3278, 0.3359



7.8637, 0.5920, 0.3682



0.2448, 0.5254, 0.4211

Inverse Universe

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



16.8117, 0.2066, 0.2471



25.9336, 0.1965, 0.2270



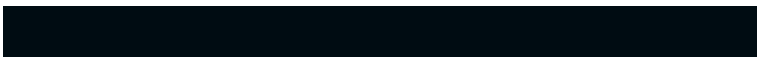
5.6232, 0.1713, 0.1139



7.6464, 0.2987, 0.3220



11.4027, 0.1969, 0.2288



0.3166, 0.2082, 0.2694

Previews

White Background



This preview shows how the Yxy color 12.1266, 0.5436, 0.3779 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 12.1266, 0.5436, 0.3779 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 12.1266, 0.5436, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 12.1266, 0.5436, 0.3779.



This preview shows how white text looks on a background with the Yxy color 12.1266, 0.5436, 0.3779.

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

12.1266, 0.5436, 0.3779

Protanopia

12.3661, 0.4146, 0.4573

Deuteranopia

12.1575, 0.4609, 0.4543



Tritanopia

12.2096, 0.4902, 0.3238

Trichromacy



Original Color

12.1266, 0.5436, 0.3779

Protanomaly

11.7564, 0.4643, 0.4259

Deuteranomaly

11.8018, 0.4943, 0.4229

Tritanomaly

12.0553, 0.5143, 0.3459

Monochromacy



Original Color

12.1266, 0.5436, 0.3779

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.6219, 0.3985, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1266, 0.5436, 0.3779 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(163, 69, 28)` looks like.

```
.text, #text, p{  
    color:rgb(163, 69, 28)  
}
```

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(163, 69, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 69, 28) }
```

Border

The CSS property to change the border of an element to Yxy 12.1266, 0.5436, 0.3779 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(163, 69, 28) }
```

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

```
.border{ border-color:rgb(163, 69, 28) }
```

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

Here you see how a box with a 4 pixel rgb(163, 69, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 69, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 69, 28);  
box-shadow:4px 4px 4px 4px rgb(163, 69,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1266, 0.5436, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 69, 28) }
```

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

```
.background{ background-color: rgb(163, 69,  
28) }
```

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