

Converting Colors

$Y_{xy}(10.6910, 0.5378, 0.3629)$

Have a look what the booklet for
Yxy(10.6910, 0.5378, 0.3629)
contains.

Yxy(10.6405, 0.5379, 0.3633)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6405, 0.5379, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	9C3E24
RGB	156, 62, 36
RGB Percent	61%, 24%, 14%
CMY	0.3882, 0.7569, 0.8588
CMYK	0.00, 0.60, 0.77, 0.39
HSL	13°, 62%, 38%
HSV	13°, 77%, 61%
XYZ	15.7543, 10.6405, 2.8937
YIQ	87.1420, 64.3700, 11.8420

Conversions

Conversions Part 2

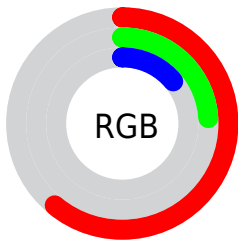
Format	Color
R _Y B	156, 69, 36
Decimal	10239524
CIE Lab	38.97, 37.72, 35.09
CIE LCh	39, 51.520, 42.927
Yxy	10.6405, 0.5379, 0.3633
Android (android.graphics.Color)	4288429604 (0xFF9C3E24)
YUV	87.1420, -25.2130, 60.3885
Hunter-Lab	32.6198, 29.1249, 17.5742

Details

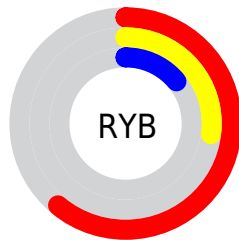
The Yxy color **10.6405, 0.5379, 0.3633** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.7540, 0.2172, 0.2767**, and the grayscale version is **9.6078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0184, 0.4826, 0.3647**, and **2.7486, 0.6295, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **9.3827, 0.5746, 0.3600**, and if you desaturate by 10%, it is **12.2402, 0.4980, 0.3631**.

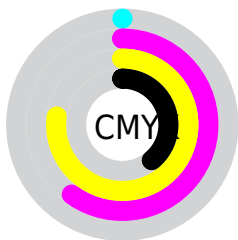
Distribution



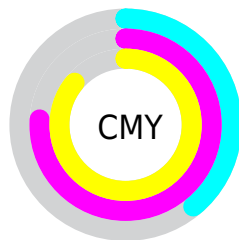
- Red (61%)
- Green (24%)
- Blue (14%)



- Red (61%)
- Yellow (27%)
- Blue (14%)



- Cyan (0%)
- Magenta (60%)
- Yellow (77%)
- Black (39%)




- Cyan (39%)
- Magenta (76%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6405, 0.5379, 0.3633 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 10.6405, 0.5379, 0.3633 by changing the saturation by 10% instead.


 10.6405, 0.5379,
0.3633


 10.6405, 0.5379,
0.3633

195.1843, 0.4012,
0.3540


 5.8256, 0.5789,
0.3573

 26.9934, 0.4823,
0.3643


 2.7394, 0.6501,
0.3499

 39.3003, 0.4631,
0.3631

 0.9972, 0.7007,
0.2993

 54.8734, 0.4476,
0.3615

 0.0000, 1.0000,
0.0000

 74.0969, 0.4349,
0.3598

 0.0000, 0.0000,
0.0000

 97.3554, 0.4243,
0.3582

 125.0332, 0.4154,

0.3567

157.5147, 0.4078,
0.3553

10.6405, 0.5379,
0.3633

10.6405, 0.5379,
0.3633

9.3827, 0.5746,
0.3600

12.2402, 0.4980,
0.3631

8.4371, 0.6042,
0.3536

14.2033, 0.4589,
0.3602

8.2005, 0.6126,
0.3518

16.5515, 0.4231,
0.3555

19.3041, 0.3918,
0.3500

22.4793, 0.3650,
0.3440

■ 26.0940, 0.3425,
0.3382

■ 30.1643, 0.3238,
0.3326

■ 34.7055, 0.3082,
0.3274

■ 39.7319, 0.2952,
0.3227

Harmonies

Analogous

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



10.6405, 0.4933, 0.2916



10.6405, 0.5379, 0.3633



10.6405, 0.5052, 0.4415

Triad

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



10.6405, 0.5379, 0.3633



10.6405, 0.2230, 0.4720



10.6405, 0.1828, 0.1668

Complementary

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



10.6405, 0.5379, 0.3633



18.7540, 0.2172, 0.2767

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.



10.6405, 0.1392, 0.1785



10.6405, 0.5379, 0.3633



10.6405, 0.1550, 0.3332

Square

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



10.6405, 0.5379, 0.3633



10.6405, 0.3220, 0.5479



10.6405, 0.1294, 0.2290



10.6405, 0.2657, 0.1847

Rectangle

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



10.6405, 0.5379, 0.3633



10.6405, 0.4543, 0.4943



10.6405, 0.1294, 0.2290



10.6405, 0.1642, 0.1672

Sweetspot

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



10.6411, 0.5379, 0.3633



42.9979, 0.3568, 0.3420



9.9989, 0.3608, 0.1949



8.9937, 0.3648, 0.3440



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



10.6411, 0.5379, 0.3633



15.7960, 0.5957, 0.3557



20.6344, 0.4517, 0.4491



6.8674, 0.3279, 0.3339



6.7969, 0.6114, 0.3527



0.1760, 0.5465, 0.4043

Inverse Universe

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



18.7540, 0.2172, 0.2767



30.8026, 0.2078, 0.2635



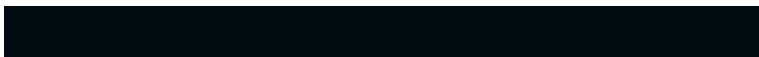
7.4131, 0.1851, 0.1517



7.2657, 0.2988, 0.3240



13.5422, 0.2054, 0.2593



0.2980, 0.2140, 0.2902

Previews

White Background



This preview shows how the Yxy color 10.6405, 0.5379, 0.3633 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

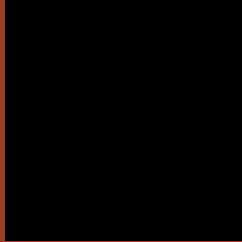
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6405, 0.5379, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 10.6405, 0.5379, 0.3633.



This preview shows how white text looks on a background with the Yxy color 10.6405, 0.5379, 0.3633.

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

10.6405, 0.5379, 0.3633

Protanopia

10.8429, 0.3984, 0.4378

Deuteranopia

10.7812, 0.4480, 0.4425



Tritanopia

10.6438, 0.4991, 0.3252

Trichromacy



Original Color

10.6405, 0.5379, 0.3633

Protanomaly

10.3393, 0.4515, 0.4073

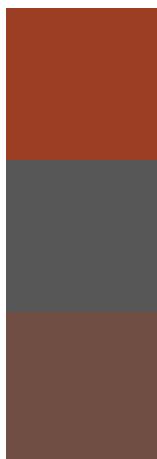
Deuteranomaly

10.5215, 0.4835, 0.4097

Tritanomaly

10.6569, 0.5149, 0.3395

Monochromacy



Original Color

10.6405, 0.5379, 0.3633

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.3109, 0.3947, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6405, 0.5379, 0.3633 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(156, 62, 36)` looks like.

```
.text, #text, p{  
  color:rgb(156, 62, 36)  
}
```

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(156, 62, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 62, 36) }
```

Border

The CSS property to change the border of an element to Yxy 10.6405, 0.5379, 0.3633 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(156, 62, 36) }
```

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

```
.border{ border-color:rgb(156, 62, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 62, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 62, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 62, 36);  
box-shadow:4px 4px 4px 4px rgb(156, 62,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6405, 0.5379, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 62, 36) }
```

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

```
.background{ background-color: rgb(156, 62,  
36) }
```

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