

Converting Colors

$Y_{xy}(10.1090, 0.6114, 0.3528)$

Have a look what the booklet for
Yxy(10.1090, 0.6114, 0.3528)
contains.

Yxy(10.1090, 0.6114, 0.3528)	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(10.1090, 0.6114, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	AB2700
RGB	171, 39, 0
RGB Percent	67%, 15%, 0%
CMY	0.3294, 0.8470, 1.0000
CMYK	0.00, 0.77, 1.00, 0.33
HSL	14°, 100%, 34%
HSV	14°, 100%, 67%
XYZ	17.5188, 10.1090, 1.0258
YIQ	74.0220, 91.1910, 15.8550

Conversions

Conversions Part 2

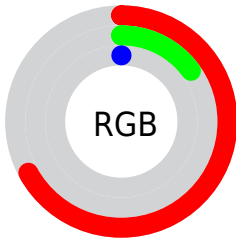
Format	Color
RYB	171, 51, 0
Decimal	11216640
CIELab	38.04, 51.63, 50.93
CIELCh	38, 72.521, 44.607
Yxy	10.1090, 0.6114, 0.3528
Android (android.graphics.Color)	4289406720 (0xFFAB2700)
YUV	74.0220, -36.4928, 85.0497
Hunter-Lab	31.7947, 42.7127, 20.3434

Details

The Yxy color **10.1090, 0.6114, 0.3528** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.4343, 0.2039, 0.2541**, and the grayscale version is **6.9081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9159, 0.5468, 0.3669**, and **3.2512, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.1098, 0.6113, 0.3528**, and if you desaturate by 10%, it is **11.1737, 0.5841, 0.3600**.

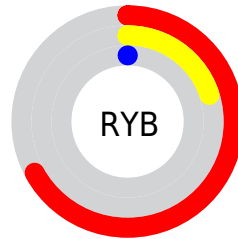
Distribution



Red (67%)

Green (15%)

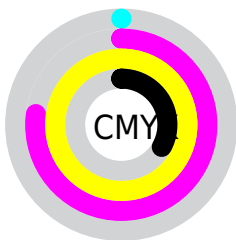
Blue (0%)



Red (67%)

Yellow (20%)

Blue (0%)

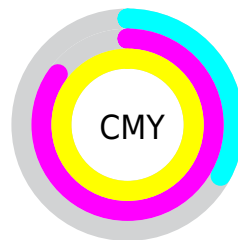


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1090, 0.6114, 0.3528 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 10.1090, 0.6114, 0.3528 by changing the saturation by 10% instead.


 10.1090, 0.6114,
0.3528


 10.1090, 0.6114,
0.3528


 191.4483, 0.4385,
0.3630


 5.4713, 0.6617,
0.3383

 26.0003, 0.5466,
0.3667


 2.5263, 0.7014,
0.2986

 38.0227, 0.5222,
0.3684


 0.8898, 0.7617,
0.2383

 53.2755, 0.5019,
0.3686

 0.0000, 1.0000,
0.0000


 72.1429, 0.4850,
0.3679


 0.0000, 0.0000,
0.0000


 95.0096, 0.4706,
0.3669

 122.2597, 0.4583,


0.3657


 154.2778, 0.4477,
0.3643


 10.1090, 0.6114,
0.3528


 10.1090, 0.6114,
0.3528


 10.1098, 0.6113,
0.3528

 11.1737, 0.5841,
0.3600

 12.6025, 0.5497,
0.3646

 14.4354, 0.5106,
0.3655

 16.7011, 0.4711,
0.3633

 19.4259, 0.4342,
0.3588

■ 22.6337, 0.4013,
0.3531

■ 26.3468, 0.3731,
0.3469

■ 30.5860, 0.3493,
0.3407

■ 35.3710, 0.3293,
0.3346

Harmonies

Analogous

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



10.1090, 0.5723, 0.2732



10.1090, 0.6114, 0.3528



10.1090, 0.5467, 0.4533

Triad

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



10.1090, 0.6114, 0.3528



10.1090, 0.1742, 0.5349



10.1090, 0.1479, 0.1241

Complementary

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



10.1090, 0.6114, 0.3528



19.4343, 0.2039, 0.2541

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.



10.1090, 0.0969, 0.1320



10.1090, 0.6114, 0.3528



10.1090, 0.1017, 0.3136

Square

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



10.1090, 0.6114, 0.3528



10.1090, 0.2925, 0.6452



10.1090, 0.0818, 0.1826



10.1090, 0.2527, 0.1469

Rectangle

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



10.1090, 0.6114, 0.3528



10.1090, 0.4683, 0.5317



10.1090, 0.0818, 0.1826



10.1090, 0.1260, 0.1231

Sweetspot

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



10.1098, 0.6113, 0.3528



46.8137, 0.3745, 0.3472



10.3769, 0.3842, 0.1890



9.8120, 0.3856, 0.3498



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.1098, 0.6113, 0.3528



17.8414, 0.6141, 0.3506



22.7105, 0.4797, 0.4573



8.3009, 0.3281, 0.3342



7.6901, 0.6097, 0.3541



0.2953, 0.5530, 0.3991

Inverse Universe

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



19.4343, 0.2039, 0.2541



34.4748, 0.2035, 0.2527



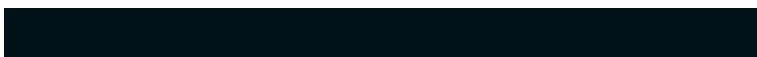
5.0908, 0.1602, 0.0968



8.7574, 0.2986, 0.3237



14.7338, 0.2042, 0.2549



0.4850, 0.2111, 0.2798

Previews

White Background



This preview shows how the Yxy color 10.1090, 0.6114, 0.3528 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

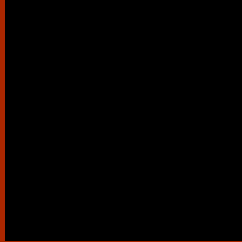
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1090, 0.6114, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 10.1090, 0.6114, 0.3528.



This preview shows how white text looks on a background with the Yxy color 10.1090, 0.6114, 0.3528.

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

10.1090, 0.6114, 0.3528

Protanopia

10.3575, 0.4273, 0.4735

Deuteranopia

10.3004, 0.4697, 0.4653



Tritanopia

10.1146, 0.5801, 0.3298

Trichromacy



Original Color

10.1090, 0.6114, 0.3528

Protanomaly

9.1758, 0.5092, 0.4193

Deuteranomaly

9.4071, 0.5338, 0.4143

Tritanomaly

10.1101, 0.5954, 0.3410

Monochromacy



Original Color

10.1090, 0.6114, 0.3528

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.7939, 0.4507, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1090, 0.6114, 0.3528 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(171, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 39, 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(171, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 39, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1090, 0.6114, 0.3528 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(171, 39, 0) }
```

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

```
.border{ border-color:rgb(171, 39, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 39, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 39, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1090, 0.6114, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 39, 0) }
```

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

```
.background{ background-color: rgb(171, 39,  
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