

Converting Colors

$Y_{xy}(10.6834, 0.5828, 0.3755)$

Have a look what the booklet for
Yxy(10.6834, 0.5828, 0.3755)
contains.

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Color

Yxy(10.7128, 0.5818, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	A33900
RGB	163, 57, 0
RGB Percent	64%, 22%, 0%
CMY	0.3608, 0.7764, 0.9998
CMYK	0.00, 0.65, 1.00, 0.36
HSL	21°, 100%, 32%
HSV	21°, 100%, 64%
XYZ	16.5675, 10.7128, 1.1960
YIQ	82.1960, 81.4730, 4.7450

Conversions

Conversions Part 2

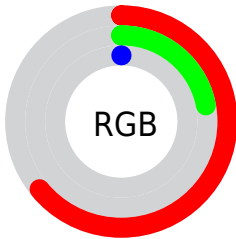
Format	Color
R_{YB}	163, 88, 0
Decimal	10696960
CIE _{Lab}	39.09, 41.84, 50.53
CIE _{LCh}	39, 65.600, 50.376
Yxy	10.7128, 0.5818, 0.3762
Android (android.graphics.Color)	4288887040 (0xFFA33900)
YUV	82.1960, -40.5226, 70.8651
Hunter-Lab	32.7304, 33.0752, 20.7448

Details

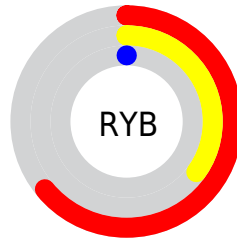
The Yxy color **10.7128, 0.5818, 0.3762** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.9619, 0.1921, 0.2116**, and the grayscale version is **8.5518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2019, 0.5232, 0.3830**, and **2.8836, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.7100, 0.5819, 0.3762**, and if you desaturate by 10%, it is **11.9120, 0.5553, 0.3836**.

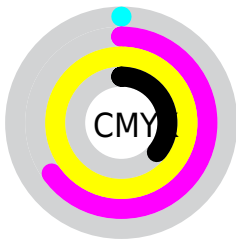
Distribution



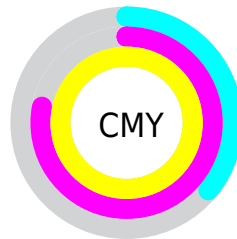
- Red (64%)
- Green (22%)
- Blue (0%)



- Red (64%)
- Yellow (35%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (36%)




- Cyan (36%)
- Magenta (78%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7128, 0.5818, 0.3762 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 10.7128, 0.5818, 0.3762 by changing the saturation by 10% instead.


 10.7128, 0.5818,
0.3762


 10.7128, 0.5818,
0.3762


 195.6864, 0.4263,
0.3693


 5.8741, 0.6304,
0.3696

 27.1278, 0.5233,
0.3823


 2.7687, 0.6641,
0.3359

 39.4729, 0.5014,
0.3815


 1.0122, 0.7171,
0.2829

 55.0890, 0.4832,
0.3798

 0.0000, 1.0000,
0.0000


 74.3603, 0.4680,
0.3778


 0.0000, 0.0000,
0.0000

 97.6713, 0.4551,
0.3756


 125.4064, 0.4441,


0.3734


 157.9500, 0.4346,
0.3713


 10.7128, 0.5818,
0.3762


 10.7128, 0.5818,
0.3762


 10.7100, 0.5819,
0.3762

 11.9120, 0.5553,
0.3836

 13.3732, 0.5246,
0.3873

 15.1217, 0.4909,
0.3863

 17.1739, 0.4569,
0.3815

 19.5449, 0.4248,
0.3742

■ 22.2486, 0.3957,
0.3654

■ 25.2978, 0.3701,
0.3560

■ 28.7050, 0.3479,
0.3466

■ 32.4815, 0.3289,
0.3375

Harmonies

Analogous

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



10.7128, 0.5622, 0.2964



10.7128, 0.5818, 0.3762



10.7128, 0.5167, 0.4748

Triad

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



10.7128, 0.5818, 0.3762



10.7128, 0.1727, 0.4718



10.7128, 0.1758, 0.1404

Complementary

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



10.7128, 0.5818, 0.3762



12.9619, 0.1921, 0.2116

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.



10.7128, 0.1179, 0.1429



10.7128, 0.5818, 0.3762



10.7128, 0.1116, 0.2886

Square

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



10.7128, 0.5818, 0.3762



10.7128, 0.2803, 0.6044



10.7128, 0.0976, 0.1836



10.7128, 0.2850, 0.1681

Rectangle

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



10.7128, 0.5818, 0.3762



10.7128, 0.4446, 0.5452



10.7128, 0.0976, 0.1836



10.7128, 0.1515, 0.1378

Sweetspot

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



10.7134, 0.5818, 0.3762



44.9683, 0.3715, 0.3566



8.8849, 0.4261, 0.2121



9.5937, 0.3814, 0.3604



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.



10.7134, 0.5818, 0.3762



18.8397, 0.5851, 0.3737



25.3501, 0.4518, 0.4795



7.4721, 0.3277, 0.3369



8.4021, 0.5802, 0.3775



0.2626, 0.5145, 0.4297

Inverse Universe

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



12.9619, 0.1921, 0.2116



22.8189, 0.1915, 0.2092



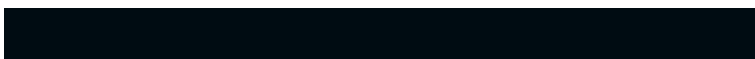
3.4382, 0.1544, 0.0757



7.5925, 0.2987, 0.3210



10.1580, 0.1924, 0.2127



0.2968, 0.2055, 0.2598

Previews

White Background



This preview shows how the Yxy color 10.7128, 0.5818, 0.3762 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 10.7128, 0.5818, 0.3762 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 10.7128, 0.5818, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 10.7128, 0.5818, 0.3762.



This preview shows how white text looks on a background with the Yxy color 10.7128, 0.5818, 0.3762.

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

10.7128, 0.5818, 0.3762

Protanopia

10.8724, 0.4312, 0.4764

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.7242, 0.5254, 0.3258

Trichromacy



Original Color

10.7128, 0.5818, 0.3762

Protanomaly

10.1971, 0.4927, 0.4356

Deuteranomaly

10.3761, 0.5158, 0.4287

Tritanomaly

10.6582, 0.5568, 0.3502

Monochromacy



Original Color

10.7128, 0.5818, 0.3762

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3925, 0.4283, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7128, 0.5818, 0.3762 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, 57, 0)` looks like.

```
.text, #text, p{  
  color:rgb(163, 57, 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(163, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 57, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7128, 0.5818, 0.3762 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, 57, 0) }
```

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

```
.border{ border-color:rgb(163, 57, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 57, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 57, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7128, 0.5818, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 57, 0) }
```

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

```
.background{ background-color: rgb(163, 57,  
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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