

Converting Colors

$Y_{xy}(10.7672, 0.5783, 0.3642)$

Have a look what the booklet for
Yxy(10.7672, 0.5783, 0.3642)
contains.

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Color

Yxy(10.7858, 0.5785, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	A63611
RGB	166, 54, 17
RGB Percent	65%, 21%, 7%
CMY	0.3490, 0.7882, 0.9334
CMYK	0.00, 0.67, 0.90, 0.35
HSL	15°, 81%, 36%
HSV	15°, 90%, 65%
XYZ	17.1464, 10.7858, 1.7072
YIQ	83.2700, 78.6290, 12.2370

Conversions

Conversions Part 2

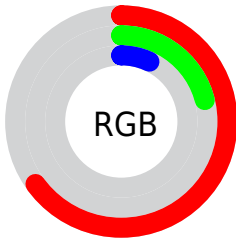
Format	Color
R_{YB}	166, 66, 17
Decimal	10892817
CIE _{Lab}	39.22, 44.51, 45.14
CIE _{LCh}	39, 63.399, 45.403
Yxy	10.7858, 0.5785, 0.3639
Android (android.graphics.Color)	4289082897 (0xFFA63611)
YUV	83.2700, -32.6711, 72.5542
Hunter-Lab	32.8417, 35.7205, 19.9071

Details

The Yxy color **10.7858, 0.5785, 0.3639** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.5641, 0.2066, 0.2564**, and the grayscale version is **8.7640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1837, 0.5182, 0.3697**, and **3.0642, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.7308, 0.6061, 0.3566**, and if you desaturate by 10%, it is **12.1731, 0.5443, 0.3684**.

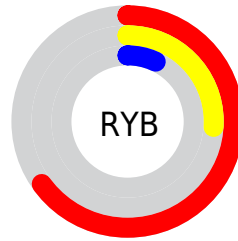
Distribution



Red (65%)

Green (21%)

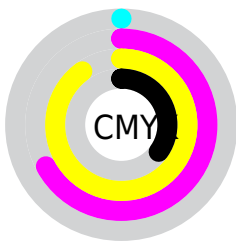
Blue (7%)



Red (65%)

Yellow (26%)

Blue (7%)

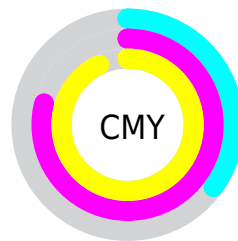


Cyan (0%)

Magenta (67%)

Yellow (90%)

Black (35%)



Cyan (35%)


Magenta (79%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7858, 0.5785, 0.3639 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 10.7858, 0.5785, 0.3639 by changing the saturation by 10% instead.


 10.7858, 0.5785,
0.3639


 10.7858, 0.5785,
0.3639


196.1921, 0.4220,
0.3613


 5.9230, 0.6240,
0.3542

 27.2634, 0.5179,
0.3704

 2.7983, 0.6728,
0.3272

 39.6470, 0.4959,
0.3702


 1.0274, 0.7269,
0.2731

 55.3062, 0.4778,
0.3691

 0.0000, 1.0000,
0.0000


 74.6256, 0.4627,
0.3676


 0.0000, 0.0000,
0.0000

 97.9895, 0.4501,
0.3660


 125.7823, 0.4393,


0.3644


 158.3883, 0.4301,
0.3628


 10.7858, 0.5785,
0.3639

 10.7858, 0.5785,
0.3639


 9.7308, 0.6061,
0.3566


 12.1731, 0.5443,
0.3684

 9.7105, 0.6067,
0.3565

 13.9245, 0.5060,
0.3689

 16.0657, 0.4675,
0.3662

 18.6192, 0.4315,
0.3612

 21.6055, 0.3995,
0.3550

■ 25.0441, 0.3719,
0.3483

■ 28.9529, 0.3485,
0.3415

■ 33.3490, 0.3288,
0.3350

■ 38.2487, 0.3124,
0.3289

Harmonies

Analogous

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



10.7858, 0.5400, 0.2862



10.7858, 0.5785, 0.3639



10.7858, 0.5261, 0.4555

Triad

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



10.7858, 0.5785, 0.3639



10.7858, 0.1928, 0.4960



10.7858, 0.1670, 0.1431

Complementary

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



10.7858, 0.5785, 0.3639



18.5641, 0.2066, 0.2564

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.



10.7858, 0.1167, 0.1512



10.7858, 0.5785, 0.3639



10.7858, 0.1233, 0.3160

Square

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



10.7858, 0.5785, 0.3639



10.7858, 0.3028, 0.5988



10.7858, 0.1022, 0.2000



10.7858, 0.2649, 0.1655

Rectangle

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



10.7858, 0.5785, 0.3639



10.7858, 0.4611, 0.5236



10.7858, 0.1022, 0.2000



10.7858, 0.1456, 0.1422

Sweetspot

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



10.7864, 0.5785, 0.3639



46.9891, 0.3662, 0.3467



10.1521, 0.3806, 0.1928



10.0243, 0.3744, 0.3489



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.



10.7864, 0.5785, 0.3639



17.3390, 0.6097, 0.3541



23.1360, 0.4644, 0.4607



7.8340, 0.3280, 0.3347



7.5944, 0.6052, 0.3577



0.2630, 0.5437, 0.4065

Inverse Universe

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



18.5641, 0.2066, 0.2564



31.1511, 0.2016, 0.2456



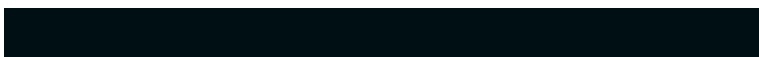
5.7701, 0.1677, 0.1130



8.2116, 0.2987, 0.3233



13.5359, 0.2022, 0.2480



0.4030, 0.2105, 0.2778

Previews

White Background



This preview shows how the Yxy color 10.7858, 0.5785, 0.3639 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 10.7858, 0.5785, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

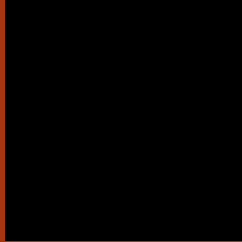
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7858, 0.5785, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 10.7858, 0.5785, 0.3639.



This preview shows how white text looks on a background with the Yxy color 10.7858, 0.5785, 0.3639.

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

10.7858, 0.5785, 0.3639

Protanopia

11.0878, 0.4219, 0.4666

Deuteranopia

10.9963, 0.4683, 0.4663



Tritanopia

10.8402, 0.5362, 0.3272

Trichromacy



Original Color

10.7858, 0.5785, 0.3639

Protanomaly

10.1659, 0.4871, 0.4231

Deuteranomaly

10.3329, 0.5158, 0.4227

Tritanomaly

10.8247, 0.5563, 0.3432

Monochromacy



Original Color

10.7858, 0.5785, 0.3639

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.4612, 0.4197, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7858, 0.5785, 0.3639 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, 54, 17)` looks like.

```
.text, #text, p{  
    color:rgb(166, 54, 17)  
}
```

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, 54, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 54, 17) }
```

Border

The CSS property to change the border of an element to Yxy 10.7858, 0.5785, 0.3639 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, 54, 17) }
```

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

```
.border{ border-color:rgb(166, 54, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 54, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 54, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 54, 17);  
box-shadow:4px 4px 4px 4px rgb(166, 54,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7858, 0.5785, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 54, 17) }
```

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

```
.background{ background-color: rgb(166, 54,  
17) }
```

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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