

Converting Colors

$Y_{xy}(10.7147, 0.6182, 0.3473)$

Have a look what the booklet for
Yxy(10.7147, 0.6182, 0.3473)
contains.

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Color

Yxy(10.7858, 0.6181, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	B32300
RGB	179, 35, 0
RGB Percent	70%, 14%, 0%
CMY	0.2981, 0.8626, 0.9999
CMYK	0.00, 0.80, 1.00, 0.30
HSL	12°, 100%, 35%
HSV	12°, 100%, 70%
XYZ	19.1903, 10.7858, 1.0711
YIQ	74.0660, 97.0590, 19.6430

Conversions

Conversions Part 2

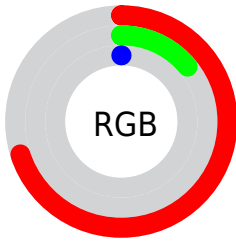
Format	Color
RYB	179, 44, 0
Decimal	11739904
CIELab	39.22, 55.32, 52.35
CIElCh	39, 76.162, 43.419
Yxy	10.7858, 0.6181, 0.3474
Android (android.graphics.Color)	4289929984 (0xFFB32300)
YUV	74.0660, -36.5145, 92.0271
Hunter-Lab	32.8417, 46.8291, 21.0555

Details

The Yxy color **10.7858, 0.6181, 0.3474** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **23.1980, 0.2070, 0.2652**, and the grayscale version is **6.9165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3080, 0.5528, 0.3630**, and **3.7130, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.7852, 0.6181, 0.3474**, and if you desaturate by 10%, it is **11.8586, 0.5917, 0.3541**.

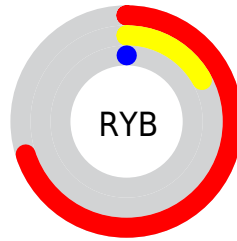
Distribution



Red (70%)

Green (14%)

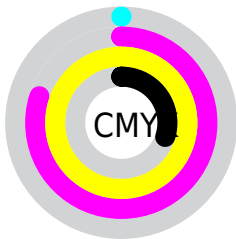
Blue (0%)



Red (70%)

Yellow (17%)

Blue (0%)

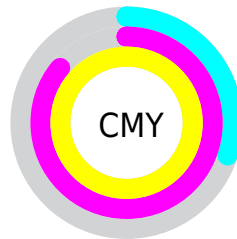


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (86%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7858, 0.6181, 0.3474 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, 0.6181, 0.3474 by changing the saturation by 10% instead.


 10.7858, 0.6181,
0.3474


 10.7858, 0.6181,
0.3474


 196.1921, 0.4433,
0.3618


 5.9230, 0.6679,
0.3321

 27.2634, 0.5533,
0.3629


 2.7983, 0.7071,
0.2929

 39.6470, 0.5287,
0.3652


 1.0274, 0.7656,
0.2344

 55.3062, 0.5082,
0.3659

 0.0000, 1.0000,
0.0000


 74.6256, 0.4909,
0.3657


 0.0000, 0.0000,
0.0000


 97.9895, 0.4762,
0.3650

 125.7823, 0.4637,

0.3640


 158.3883, 0.4528,
0.3629


 10.7858, 0.6181,
0.3474


 10.7858, 0.6181,
0.3474

 10.7852, 0.6181,
0.3474

 11.8586, 0.5917,
0.3541

 13.3561, 0.5568,
0.3588

 15.3270, 0.5165,
0.3600

 17.8081, 0.4755,
0.3584

 20.8324, 0.4371,
0.3547

■ 24.4298, 0.4031,
0.3498

■ 28.6284, 0.3741,
0.3444

■ 33.4541, 0.3497,
0.3390

■ 38.9313, 0.3294,
0.3339

Harmonies

Analogous

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



10.7858, 0.5744, 0.2680



10.7858, 0.6181, 0.3474



10.7858, 0.5526, 0.4474

Triad

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



10.7858, 0.6181, 0.3474



10.7858, 0.1743, 0.5503



10.7858, 0.1420, 0.1205

Complementary

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



10.7858, 0.6181, 0.3474



23.1980, 0.2070, 0.2652

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, 0.0924, 0.1296



10.7858, 0.6181, 0.3474



10.7858, 0.0994, 0.3200

Square

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



10.7858, 0.6181, 0.3474



10.7858, 0.2947, 0.6532



10.7858, 0.0784, 0.1824



10.7858, 0.2455, 0.1423

Rectangle

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



10.7858, 0.6181, 0.3474



10.7858, 0.4729, 0.5271



10.7858, 0.0784, 0.1824



10.7858, 0.1206, 0.1199

Sweetspot

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



10.7865, 0.6181, 0.3474



50.8586, 0.3754, 0.3447



11.6643, 0.3734, 0.1831



10.5490, 0.3871, 0.3470



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



10.7865, 0.6181, 0.3474



19.0704, 0.6205, 0.3455



23.5804, 0.4886, 0.4503



8.7655, 0.3282, 0.3335



7.6970, 0.6163, 0.3488



0.3213, 0.5658, 0.3889

Inverse Universe

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



23.1980, 0.2070, 0.2652



41.2282, 0.2067, 0.2640



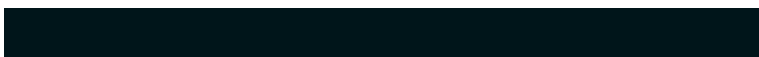
6.1510, 0.1623, 0.1041



9.3435, 0.2986, 0.3244



16.4848, 0.2072, 0.2660



0.5910, 0.2126, 0.2855

Previews

White Background



This preview shows how the Yxy color 10.7858, 0.6181, 0.3474 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, 0.6181, 0.3474 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, 0.6181, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 10.7858, 0.6181, 0.3474.



This preview shows how white text looks on a background with the Yxy color 10.7858, 0.6181, 0.3474.

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, 0.6181, 0.3474

Protanopia

11.0628, 0.4268, 0.4739

Deuteranopia

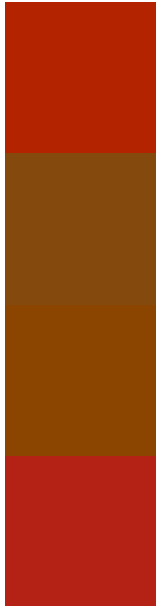
10.9963, 0.4683, 0.4663



Tritanopia

10.7757, 0.5950, 0.3306

Trichromacy



Original Color

10.7858, 0.6181, 0.3474

Protanomaly

9.6997, 0.5139, 0.4164

Deuteranomaly

9.8317, 0.5395, 0.4098

Tritanomaly

10.7783, 0.6067, 0.3390

Monochromacy



Original Color

10.7858, 0.6181, 0.3474

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.8817, 0.4578, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7858, 0.6181, 0.3474 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(179, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 35, 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(179, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 35, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7858, 0.6181, 0.3474 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(179, 35, 0) }
```

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

```
.border{ border-color:rgb(179, 35, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 35, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7858, 0.6181, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 35, 0) }
```

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

```
.background{ background-color: rgb(179, 35,  
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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