

Converting Colors

$Y_{xy}(10.6226, 0.6243, 0.3425)$

Have a look what the booklet for
Yxy(10.6226, 0.6243, 0.3425)
contains.

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Color

Yxy(10.5820, 0.6239, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	B41D00
RGB	180, 29, 0
RGB Percent	71%, 11%, 0%
CMY	0.2942, 0.8861, 0.9999
CMYK	0.00, 0.84, 1.00, 0.29
HSL	10°, 100%, 35%
HSV	10°, 100%, 71%
XYZ	19.2594, 10.5820, 1.0279
YIQ	70.8430, 99.3050, 22.9930

Conversions

Conversions Part 2

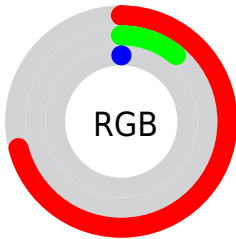
Format	Color
RYB	180, 35, 0
Decimal	11803904
CIELab	38.87, 57.18, 52.33
CIELCh	39, 77.511, 42.463
Yxy	10.5820, 0.6239, 0.3428
Android (android.graphics.Color)	4289993984 (0xFFB41D00)
YUV	70.8430, -34.9256, 95.7307
Hunter-Lab	32.5300, 48.7534, 20.8974

Details

The Yxy color **10.5820, 0.6239, 0.3428** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **25.4135, 0.2103, 0.2769**, and the grayscale version is **6.3253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7844, 0.5582, 0.3597**, and **3.7819, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.5819, 0.6239, 0.3428**, and if you desaturate by 10%, it is **11.5573, 0.5983, 0.3486**.

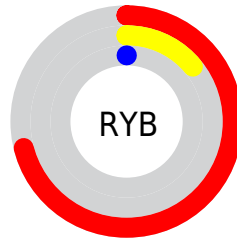
Distribution



Red (71%)

Green (11%)

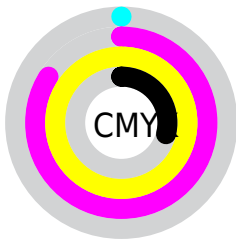
Blue (0%)



Red (71%)

Yellow (14%)

Blue (0%)

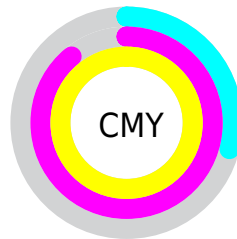


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (89%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5820, 0.6239, 0.3428 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 10.5820, 0.6239, 0.3428 by changing the saturation by 10% instead.


 10.5820, 0.6239,
0.3428


 10.5820, 0.6239,
0.3428


 194.7769, 0.4456,
0.3605


 5.7865, 0.6740,
0.3260


 26.8846, 0.5579,
0.3598


 2.7157, 0.7143,
0.2857


 39.1605, 0.5328,
0.3626

 0.9852, 0.7741,
0.2259

 54.6986, 0.5118,
0.3636

 0.0000, 1.0000,
0.0000


 73.8834, 0.4942,
0.3637


 0.0000, 0.0000,
0.0000


 97.0992, 0.4792,
0.3632


 124.7305, 0.4664,

0.3625


 157.1616, 0.4553,
0.3615


 10.5820, 0.6239,
0.3428


 10.5820, 0.6239,
0.3428


 10.5819, 0.6239,
0.3428

 11.5573, 0.5983,
0.3486

 12.9815, 0.5632,
0.3530

 14.9103, 0.5218,
0.3543

 17.3860, 0.4793,
0.3532

 20.4465, 0.4396,
0.3502

■ 24.1261, 0.4046,
0.3462

■ 28.4566, 0.3749,
0.3418

■ 33.4675, 0.3500,
0.3373

■ 39.1865, 0.3296,
0.3330

Harmonies

Analogous

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



10.5820, 0.5763, 0.2636



10.5820, 0.6239, 0.3428



10.5820, 0.5577, 0.4423

Triad

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



10.5820, 0.6239, 0.3428



10.5820, 0.1741, 0.5637



10.5820, 0.1370, 0.1174

Complementary

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



10.5820, 0.6239, 0.3428



25.4135, 0.2103, 0.2769

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.



10.5820, 0.0886, 0.1274



10.5820, 0.6239, 0.3428



10.5820, 0.0972, 0.3254

Square

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



10.5820, 0.6239, 0.3428



10.5820, 0.2965, 0.6606



10.5820, 0.0754, 0.1820



10.5820, 0.2395, 0.1383

Rectangle

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



10.5820, 0.6239, 0.3428



10.5820, 0.4767, 0.5233



10.5820, 0.0754, 0.1820



10.5820, 0.1161, 0.1171

Sweetspot

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



10.5827, 0.6239, 0.3428



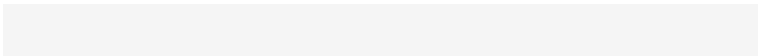
51.1659, 0.3763, 0.3420



12.0015, 0.3628, 0.1772



10.3288, 0.3881, 0.3439



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.



10.5827, 0.6239, 0.3428



18.9704, 0.6260, 0.3411



22.4234, 0.4976, 0.4431



8.7194, 0.3283, 0.3327



7.4540, 0.6222, 0.3441



0.3024, 0.5764, 0.3805

Inverse Universe

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



25.4135, 0.2103, 0.2769



45.7973, 0.2100, 0.2760



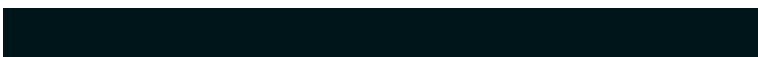
6.8506, 0.1646, 0.1126



9.3935, 0.2986, 0.3252



17.8218, 0.2105, 0.2776



0.6230, 0.2148, 0.2934

Previews

White Background



This preview shows how the Yxy color 10.5820, 0.6239, 0.3428 looks on a white background.

Color Contrast Check

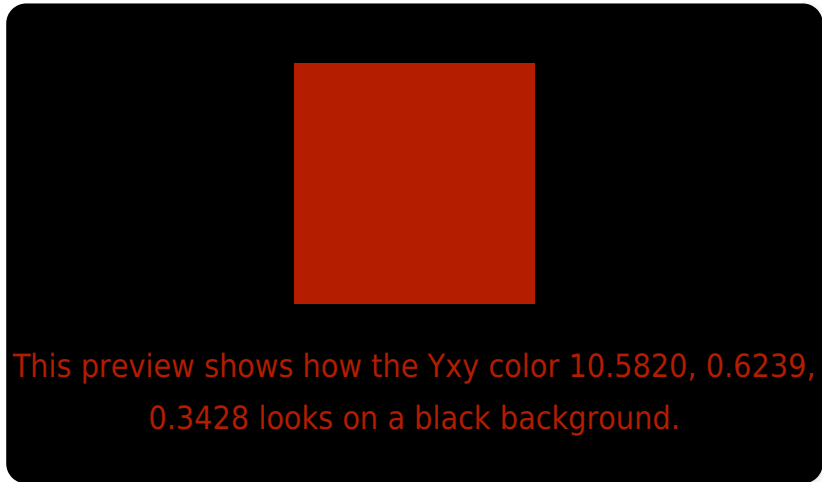
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5820, 0.6239, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 10.5820, 0.6239, 0.3428.



This preview shows how white text looks on a background with the Yxy color 10.5820, 0.6239, 0.3428.

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

10.5820, 0.6239, 0.3428

Protanopia

10.8899, 0.4276, 0.4711

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.6040, 0.6074, 0.3318

Trichromacy



Original Color

10.5820, 0.6239, 0.3428

Protanomaly

9.3176, 0.5193, 0.4105

Deuteranomaly

9.5898, 0.5436, 0.4066

Tritanomaly

10.5712, 0.6154, 0.3365

Monochromacy



Original Color

10.5820, 0.6239, 0.3428

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.3973, 0.4661, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5820, 0.6239, 0.3428 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(180, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 29, 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(180, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 29, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.5820, 0.6239, 0.3428 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(180, 29, 0) }
```

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

```
.border{ border-color:rgb(180, 29, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 29, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 29, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5820, 0.6239, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 29, 0) }
```

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

```
.background{ background-color: rgb(180, 29,  
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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