

Converting Colors

$Y_{xy}(10.8828, 0.6150, 0.3400)$

Have a look what the booklet for
Yxy(10.8828, 0.6150, 0.3400)
contains.

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Color

Yxy(10.8328, 0.6152, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	B51F0D
RGB	181, 31, 13
RGB Percent	71%, 12%, 5%
CMY	0.2902, 0.8784, 0.9490
CMYK	0.00, 0.83, 0.93, 0.29
HSL	6°, 87%, 38%
HSV	6°, 93%, 71%
XYZ	19.6183, 10.8328, 1.4382
YIQ	73.7980, 95.1780, 26.2020

Conversions

Conversions Part 2

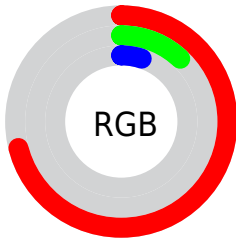
Format	Color
R_{YB}	181, 33, 13
Decimal	11869965
CIE Lab	39.30, 57.14, 48.06
CIE LCh	39, 74.666, 40.069
Yxy	10.8328, 0.6152, 0.3397
Android (android.graphics.Color)	4290060045 (0xFFB51F0D)
YUV	73.7980, -29.9734, 94.0162
Hunter-Lab	32.9132, 48.7989, 20.4485

Details

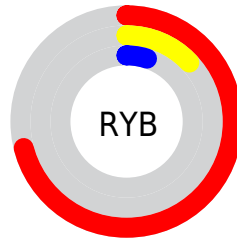
The Yxy color **10.8328, 0.6152, 0.3397** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **29.6134, 0.2171, 0.2976**, and the grayscale version is **6.8539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4037, 0.5482, 0.3550**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.3027, 0.6312, 0.3370**, and if you desaturate by 10%, it is **11.9703, 0.5834, 0.3436**.

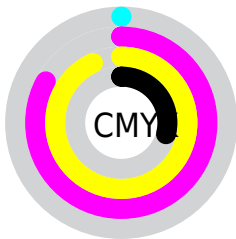
Distribution



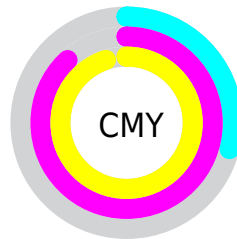
- Red (71%)
- Green (12%)
- Blue (5%)



- Red (71%)
- Yellow (13%)
- Blue (5%)



- Cyan (0%)
- Magenta (83%)
- Yellow (93%)
- Black (29%)





- Cyan (29%)
- Magenta (88%)
- Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8328, 0.6152, 0.3397 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 10.8328, 0.6152, 0.3397 by changing the saturation by 10% instead.


 10.8328, 0.6152,
0.3397


 10.8328, 0.6152,
0.3397


 196.5168, 0.4396,
0.3559


 5.9545, 0.6662,
0.3245

 27.3506, 0.5486,
0.3549


 2.8174, 0.7121,
0.2879

 39.7588, 0.5239,
0.3574


 1.0372, 0.7709,
0.2291

 55.4459, 0.5035,
0.3584

 0.0000, 1.0000,
0.0000

 74.7962, 0.4863,
0.3585


 0.0000, 0.0000,
0.0000


 98.1940, 0.4719,
0.3582


 126.0238, 0.4595,


0.3575

 158.6699, 0.4488,
0.3568

 10.8328, 0.6152,
0.3397


 10.8328, 0.6152,
0.3397


 10.3027, 0.6312,
0.3370

 11.9703, 0.5834,
0.3436

 13.6397, 0.5423,
0.3454

 15.8967, 0.4977,
0.3454

 18.7895, 0.4550,
0.3438

 22.3614, 0.4168,
0.3413

■ 26.6517, 0.3843,
0.3384

■ 31.6968, 0.3573,
0.3354

■ 37.5306, 0.3352,
0.3325

■ 44.1849, 0.3171,
0.3297

Harmonies

Analogous

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



10.8328, 0.5560, 0.2612



10.8328, 0.6152, 0.3397



10.8328, 0.5631, 0.4369

Triad

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



10.8328, 0.6152, 0.3397



10.8328, 0.1894, 0.5673



10.8328, 0.1366, 0.1225

Complementary

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



10.8328, 0.6152, 0.3397



29.6134, 0.2171, 0.2976

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.



10.8328, 0.0918, 0.1356



10.8328, 0.6152, 0.3397



10.8328, 0.1079, 0.3431

Square

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



10.8328, 0.6152, 0.3397



10.8328, 0.3116, 0.6443



10.8328, 0.0815, 0.1952



10.8328, 0.2322, 0.1408

Rectangle

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



10.8328, 0.6152, 0.3397



10.8328, 0.4870, 0.5130



10.8328, 0.0815, 0.1952



10.8328, 0.1171, 0.1231

Sweetspot

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



10.8335, 0.6152, 0.3397



51.4875, 0.3719, 0.3371



12.7991, 0.3454, 0.1706



10.3328, 0.3840, 0.3384



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.



10.8335, 0.6152, 0.3397



18.2956, 0.6328, 0.3358



21.8430, 0.5001, 0.4348



8.6470, 0.3284, 0.3315



7.1548, 0.6298, 0.3381



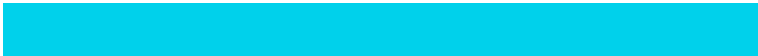
0.2724, 0.5949, 0.3658

Inverse Universe

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



29.6134, 0.2171, 0.2976



51.7998, 0.2151, 0.2944



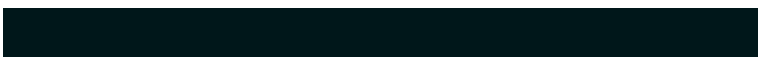
9.1896, 0.1740, 0.1404



9.4728, 0.2986, 0.3265



20.0781, 0.2154, 0.2954



0.6759, 0.2182, 0.3056

Previews

White Background



This preview shows how the Yxy color 10.8328, 0.6152, 0.3397 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

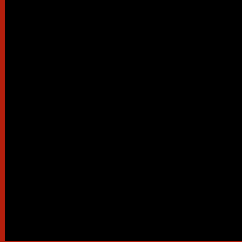
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8328, 0.6152, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 10.8328, 0.6152, 0.3397.



This preview shows how white text looks on a background with the Yxy color 10.8328, 0.6152, 0.3397.

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

10.8328, 0.6152, 0.3397

Protanopia

11.0925, 0.4210, 0.4653

Deuteranopia

11.0667, 0.4699, 0.4651



Tritanopia

10.8361, 0.6031, 0.3312

Trichromacy



Original Color

10.8328, 0.6152, 0.3397

Protanomaly

9.5549, 0.5107, 0.4039

Deuteranomaly

9.8960, 0.5408, 0.4039

Tritanomaly

10.8142, 0.6082, 0.3343

Monochromacy



Original Color

10.8328, 0.6152, 0.3397

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.7848, 0.4513, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8328, 0.6152, 0.3397 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(181, 31, 13)` looks like.

```
.text, #text, p{  
    color:rgb(181, 31, 13)  
}
```

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(181, 31, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 31, 13) }
```

Border

The CSS property to change the border of an element to Yxy 10.8328, 0.6152, 0.3397 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(181, 31, 13) }
```

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

```
.border{ border-color:rgb(181, 31, 13) }
```

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

Here you see how a box with a 4 pixel rgb(181, 31, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 31, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 31, 13);  
box-shadow:4px 4px 4px 4px rgb(181, 31,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8328, 0.6152, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 31, 13) }
```

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

```
.background{ background-color: rgb(181, 31,  
13) }
```

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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