

Converting Colors

$Y_{xy}(10.9956, 0.6030, 0.3190)$

Have a look what the booklet for
Yxy(10.9956, 0.6030, 0.3190)
contains.

Yxy(10.9991, 0.6028, 0.3190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.9991, 0.6028, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	BA1224
RGB	186, 18, 36
RGB Percent	73%, 7%, 14%
CMY	0.2706, 0.9293, 0.8588
CMYK	0.00, 0.90, 0.81, 0.27
HSL	354°, 82%, 40%
HSV	354°, 90%, 73%
XYZ	20.7845, 10.9991, 2.6963
YIQ	70.2840, 94.3500, 41.2140

Conversions

Conversions Part 2

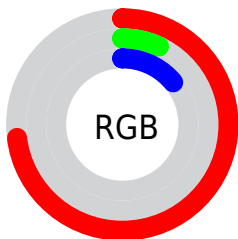
Format	Color
R_{YB}	186, 18, 36
Decimal	12194340
CIE Lab	39.58, 61.67, 37.53
CIE LCh	40, 72.192, 31.324
Yxy	10.9991, 0.6028, 0.3190
Android (android.graphics.Color)	4290384420 (0xFFBA1224)
YUV	70.2840, -16.9020, 101.4829
Hunter-Lab	33.1649, 53.8278, 18.3951

Details

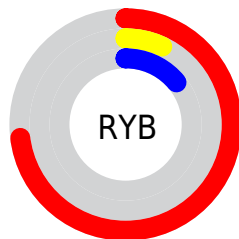
The Yxy color **10.9991, 0.6028, 0.3190** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **38.0747, 0.2346, 0.3590**, and the grayscale version is **6.1936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7345, 0.5349, 0.3347**, and **4.2851, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.4893, 0.6275, 0.3230**, and if you desaturate by 10%, it is **11.9923, 0.5663, 0.3154**.

Distribution



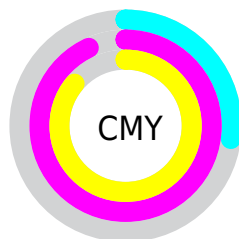
- Red (73%)
- Green (7%)
- Blue (14%)



- Red (73%)
- Yellow (7%)
- Blue (14%)



- Cyan (0%)
- Magenta (90%)
- Yellow (81%)
- Black (27%)





- Cyan (27%)
- Magenta (93%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9991, 0.6028, 0.3190 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 10.9991, 0.6028, 0.3190 by changing the saturation by 10% instead.


 10.9991, 0.6028,
0.3190


 10.9991, 0.6028,
0.3190


197.6614, 0.4299,
0.3414


 6.0662, 0.6511,
0.3020

 27.6585, 0.5344,
0.3342

 2.8854, 0.7238,
0.2762

 40.1538, 0.5101,
0.3375


 1.0722, 0.7828,
0.2172

 55.9388, 0.4903,
0.3395

 0.0000, 1.0000,
0.0000

 75.3977, 0.4739,
0.3406


 0.0000, 0.0000,
0.0000


 98.9150, 0.4602,
0.3412


 126.8752, 0.4486,


0.3414


 159.6625, 0.4386,
0.3415


 10.9991, 0.6028,
0.3190

 10.9991, 0.6028,
0.3190

 10.4893, 0.6275,
0.3230

 11.9923, 0.5663,
0.3154

 13.6250, 0.5228,
0.3137

 15.9821, 0.4785,
0.3139

 19.1348, 0.4375,
0.3155

 23.1459, 0.4020,
0.3179

■ 28.0719, 0.3724,
0.3207

■ 33.9644, 0.3483,
0.3235

■ 40.8714, 0.3288,
0.3263

■ 48.8373, 0.3132,
0.3289

Harmonies

Analogous

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



10.9991, 0.5074, 0.2423



10.9991, 0.6028, 0.3190



10.9991, 0.5802, 0.4071

Triad

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



10.9991, 0.6028, 0.3190



10.9991, 0.2277, 0.6018



10.9991, 0.1238, 0.1276

Complementary

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



10.9991, 0.6028, 0.3190



38.0747, 0.2346, 0.3590

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.



10.9991, 0.0904, 0.1519



10.9991, 0.6028, 0.3190



10.9991, 0.1312, 0.4047

Square

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



10.9991, 0.6028, 0.3190



10.9991, 0.3537, 0.6204



10.9991, 0.0900, 0.2313



10.9991, 0.2013, 0.1369

Rectangle

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



10.9991, 0.6028, 0.3190



10.9991, 0.5206, 0.4794



10.9991, 0.0900, 0.2313



10.9991, 0.1086, 0.1314

Sweetspot

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



10.9998, 0.6028, 0.3190



53.7576, 0.3650, 0.3215



12.1291, 0.2945, 0.1435



11.0840, 0.3739, 0.3205



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



10.9998, 0.6028, 0.3190



18.9957, 0.6297, 0.3243



16.5800, 0.5504, 0.3899



9.0274, 0.3271, 0.3266



7.0625, 0.6254, 0.3219



0.2542, 0.5776, 0.2956

Inverse Universe

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



10.9998, 0.6028, 0.3190



18.9957, 0.6297, 0.3243



17.4971, 0.1942, 0.2121



9.0274, 0.3271, 0.3266



7.0625, 0.6254, 0.3219



0.2542, 0.5776, 0.2956

Previews

White Background



This preview shows how the Yxy color 10.9991, 0.6028, 0.3190 looks on a white background.

Color Contrast Check

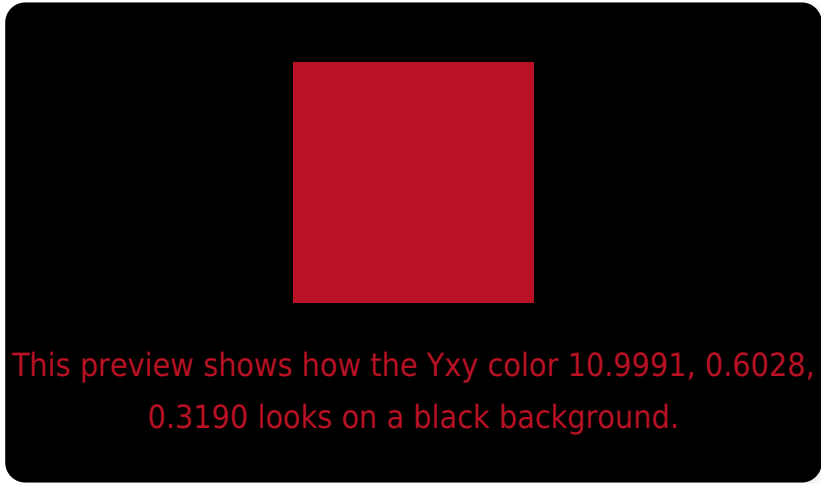
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9991, 0.6028, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 10.9991, 0.6028, 0.3190.



This preview shows how white text looks on a background with the Yxy color 10.9991, 0.6028, 0.3190.

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

10.9991, 0.6028, 0.3190

Protanopia

11.4033, 0.3863, 0.4199

Deuteranopia

11.3633, 0.4572, 0.4500



Tritanopia

11.0534, 0.6204, 0.3323

Trichromacy



Original Color

10.9991, 0.6028, 0.3190

Protanomaly

9.2960, 0.4832, 0.3630

Deuteranomaly

9.6752, 0.5328, 0.3809

Tritanomaly

11.0414, 0.6150, 0.3283

Monochromacy



Original Color

10.9991, 0.6028, 0.3190

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.1179, 0.4431, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9991, 0.6028, 0.3190 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(186, 18, 36)` looks like.

```
.text, #text, p{  
    color:rgb(186, 18, 36)  
}
```

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(186, 18, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 18, 36) }
```

Border

The CSS property to change the border of an element to Yxy 10.9991, 0.6028, 0.3190 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(186, 18, 36) }
```

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

```
.border{ border-color:rgb(186, 18, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 18, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 18, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 18, 36);  
box-shadow:4px 4px 4px 4px rgb(186, 18,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9991, 0.6028, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 18, 36) }
```

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

```
.background{ background-color: rgb(186, 18,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor