

Converting Colors

$Y_{xy}(10.2786, 0.6133, 0.3242)$

Have a look what the booklet for
Yxy(10.2786, 0.6133, 0.3242)
contains.

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Color

Yxy(10.2735, 0.6131, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	B5101B
RGB	181, 16, 27
RGB Percent	71%, 6%, 11%
CMY	0.2902, 0.9373, 0.8942
CMYK	0.00, 0.91, 0.85, 0.29
HSL	356°, 84%, 39%
HSV	356°, 91%, 71%
XYZ	19.4404, 10.2735, 1.9945
YIQ	66.5890, 94.8090, 38.4010

Conversions

Conversions Part 2

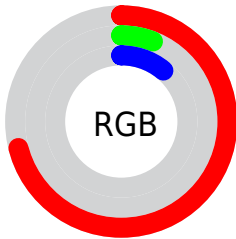
Format	Color
RYB	181, 16, 27
Decimal	11866139
CIELab	38.33, 60.42, 40.95
CIElCh	38, 72.988, 34.128
Yxy	10.2735, 0.6131, 0.3240
Android (android.graphics.Color)	4290056219 (0xFFB5101B)
YUV	66.5890, -19.5174, 100.3384
Hunter-Lab	32.0523, 52.1724, 18.7473

Details

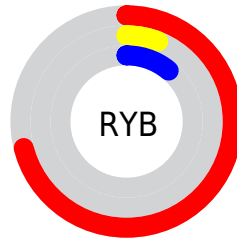
The Yxy color **10.2735, 0.6131, 0.3240** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **36.0636, 0.2312, 0.3475**, and the grayscale version is **5.5645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3774, 0.5432, 0.3405**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.8513, 0.6329, 0.3260**, and if you desaturate by 10%, it is **11.1552, 0.5787, 0.3214**.

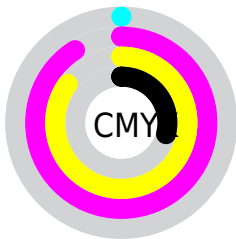
Distribution



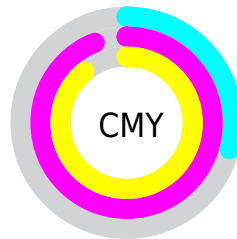
- Red (71%)
- Green (6%)
- Blue (11%)



- Red (71%)
- Yellow (6%)
- Blue (11%)



- Cyan (0%)
- Magenta (91%)
- Yellow (85%)
- Black (29%)





- Cyan (29%)
- Magenta (94%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2735, 0.6131, 0.3240 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 10.2735, 0.6131, 0.3240 by changing the saturation by 10% instead.


 10.2735, 0.6131,
0.3240


 10.2735, 0.6131,
0.3240


192.6131, 0.4343,
0.3460

 5.5807, 0.6636,
0.3062

 26.3087, 0.5430,
0.3402


 2.5918, 0.7264,
0.2736

 38.4198, 0.5179,
0.3435


 0.9226, 0.7882,
0.2118

 53.7725, 0.4973,
0.3453

 0.0000, 1.0000,
0.0000

 72.7511, 0.4802,
0.3461


 0.0000, 0.0000,
0.0000

 95.7401, 0.4659,
0.3465


 123.1238, 0.4538,


0.3465


 155.2867, 0.4433,
0.3463

 10.2735, 0.6131,
0.3240


 10.2735, 0.6131,
0.3240

 9.8513, 0.6329,
0.3260

 11.1552, 0.5787,
0.3214

 12.6328, 0.5353,
0.3200

 14.7878, 0.4896,
0.3199

 17.6882, 0.4465,
0.3207

 21.3940, 0.4089,
0.3221

■ 25.9589, 0.3774,
0.3238

■ 31.4322, 0.3517,
0.3255

■ 37.8592, 0.3310,
0.3272

■ 45.2823, 0.3144,
0.3288

Harmonies

Analogous

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



10.2735, 0.5278, 0.2465



10.2735, 0.6131, 0.3240



10.2735, 0.5815, 0.4173

Triad

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



10.2735, 0.6131, 0.3240



10.2735, 0.2124, 0.5998



10.2735, 0.1250, 0.1230

Complementary

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



10.2735, 0.6131, 0.3240



36.0636, 0.2312, 0.3475

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.



10.2735, 0.0879, 0.1434



10.2735, 0.6131, 0.3240



10.2735, 0.1199, 0.3856

Square

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



10.2735, 0.6131, 0.3240



10.2735, 0.3396, 0.6359



10.2735, 0.0840, 0.2164



10.2735, 0.2086, 0.1353

Rectangle

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



10.2735, 0.6131, 0.3240



10.2735, 0.5108, 0.4892



10.2735, 0.0840, 0.2164



10.2735, 0.1084, 0.1257

Sweetspot

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



10.2742, 0.6131, 0.3240



49.9315, 0.3672, 0.3244



12.2537, 0.3057, 0.1492



10.1188, 0.3764, 0.3238



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.



10.2742, 0.6131, 0.3240



17.6305, 0.6346, 0.3269



16.7598, 0.5395, 0.4001



8.5141, 0.3277, 0.3275



6.7946, 0.6313, 0.3252



0.2168, 0.5971, 0.3063

Inverse Universe

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



10.2742, 0.6131, 0.3240



17.6305, 0.6346, 0.3269



14.4914, 0.1894, 0.1949



8.5141, 0.3277, 0.3275



6.7946, 0.6313, 0.3252



0.2168, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 10.2735, 0.6131, 0.3240 looks on a white background.

Color Contrast Check

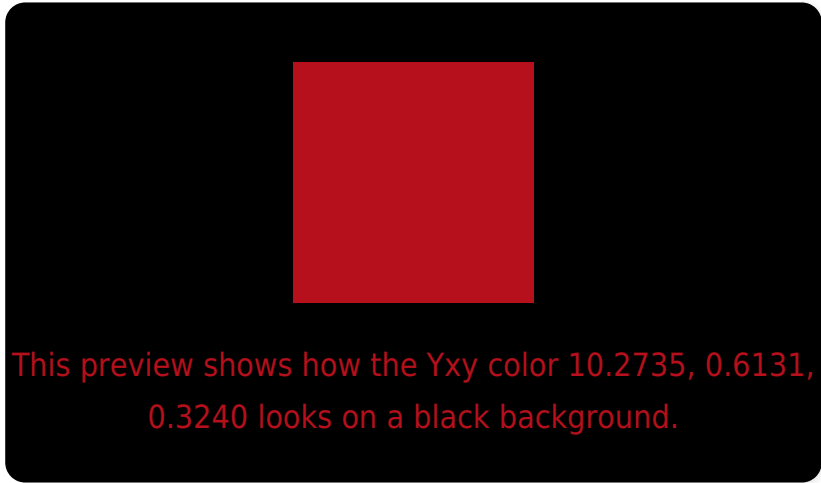
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2735, 0.6131, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 10.2735, 0.6131, 0.3240.



This preview shows how white text looks on a background with the Yxy color 10.2735, 0.6131, 0.3240.

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

10.2735, 0.6131, 0.3240

Protanopia

10.6609, 0.4009, 0.4379

Deuteranopia

10.5294, 0.4692, 0.4656



Tritanopia

10.3160, 0.6246, 0.3329

Trichromacy



Original Color

10.2735, 0.6131, 0.3240

Protanomaly

8.6320, 0.5004, 0.3742

Deuteranomaly

8.9349, 0.5494, 0.3915

Tritanomaly

10.2968, 0.6216, 0.3304

Monochromacy



Original Color

10.2735, 0.6131, 0.3240

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.5500, 0.4540, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2735, 0.6131, 0.3240 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, 16, 27)` looks like.

```
.text, #text, p{  
    color:rgb(181, 16, 27)  
}
```

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, 16, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 16, 27) }
```

Border

The CSS property to change the border of an element to Yxy 10.2735, 0.6131, 0.3240 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, 16, 27) }
```

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

```
.border{ border-color:rgb(181, 16, 27) }
```

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

Here you see how a box with a 4 pixel rgb(181, 16, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 16, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 16, 27);  
box-shadow:4px 4px 4px 4px rgb(181, 16,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2735, 0.6131, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 16, 27) }
```

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

```
.background{ background-color: rgb(181, 16,  
27) }
```

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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