

Converting Colors

$Y_{xy}(10.4328, 0.6164, 0.3284)$

Have a look what the booklet for
Yxy(10.4328, 0.6164, 0.3284)
contains.

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Color

Yxy(10.4688, 0.6170, 0.3284)

Conversions

Conversions Part 1

Format	Color
Hex	B61316
RGB	182, 19, 22
RGB Percent	71%, 7%, 9%
CMY	0.2863, 0.9254, 0.9139
CMYK	0.00, 0.90, 0.88, 0.29
HSL	359°, 81%, 39%
HSV	359°, 90%, 71%
XYZ	19.6688, 10.4688, 1.7405
YIQ	68.0790, 96.1850, 35.4890

Conversions

Conversions Part 2

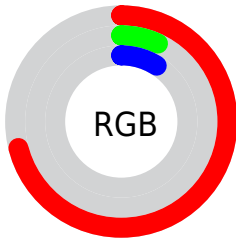
Format	Color
RYB	182, 19, 22
Decimal	11932438
CIELab	38.67, 60.09, 43.88
CIELCh	39, 74.408, 36.136
Yxy	10.4688, 0.6170, 0.3284
Android (android.graphics.Color)	4290122518 (0xFFB61316)
YUV	68.0790, -22.7169, 99.9087
Hunter-Lab	32.3555, 51.8876, 19.4594

Details

The Yxy color **10.4688, 0.6170, 0.3284** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **36.8524, 0.2276, 0.3336**, and the grayscale version is **5.8212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6658, 0.5473, 0.3444**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.9720, 0.6373, 0.3289**, and if you desaturate by 10%, it is **11.4344, 0.5828, 0.3276**.

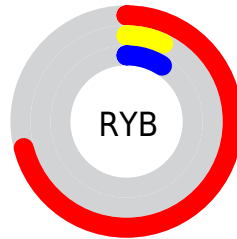
Distribution



Red (71%)

Green (7%)

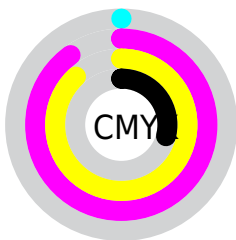
Blue (9%)



Red (71%)

Yellow (7%)

Blue (9%)

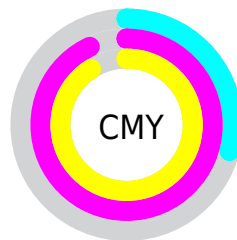


Cyan (0%)

Magenta (90%)

Yellow (88%)

Black (29%)



Cyan (29%)


Magenta (93%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4688, 0.6170, 0.3284 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 10.4688, 0.6170, 0.3284 by changing the saturation by 10% instead.


 10.4688, 0.6170,
0.3284


 10.4688, 0.6170,
0.3284


193.9860, 0.4377,
0.3494


 5.7109, 0.6678,
0.3110

 26.6736, 0.5477,
0.3448


 2.6701, 0.7238,
0.2762

 38.8893, 0.5224,
0.3479


 0.9620, 0.7847,
0.2153

 54.3597, 0.5017,
0.3495

 0.0000, 1.0000,
0.0000

 73.4692, 0.4844,
0.3502


 0.0000, 0.0000,
0.0000


 96.6021, 0.4699,
0.3504


 124.1430, 0.4575,


0.3502


 156.4762, 0.4469,
0.3499


 10.4688, 0.6170,
0.3284


 10.4688, 0.6170,
0.3284


 9.9720, 0.6373,
0.3289


 11.4344, 0.5828,
0.3276

 9.9522, 0.6381,
0.3289

 13.0206, 0.5385,
0.3271

 15.3088, 0.4914,
0.3270

 18.3676, 0.4470,
0.3271

 22.2574, 0.4083,
0.3274

■ 27.0326, 0.3761,
0.3278

■ 32.7432, 0.3499,
0.3282

■ 39.4352, 0.3289,
0.3286

■ 47.1516, 0.3120,
0.3290

Harmonies

Analogous

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



10.4688, 0.5401, 0.2505



10.4688, 0.6170, 0.3284



10.4688, 0.5769, 0.4231

Triad

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



10.4688, 0.6170, 0.3284



10.4688, 0.2029, 0.5934



10.4688, 0.1274, 0.1213

Complementary

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



10.4688, 0.6170, 0.3284



36.8524, 0.2276, 0.3336

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.



10.4688, 0.0877, 0.1391



10.4688, 0.6170, 0.3284



10.4688, 0.1139, 0.3710

Square

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



10.4688, 0.6170, 0.3284



10.4688, 0.3292, 0.6426



10.4688, 0.0815, 0.2075



10.4688, 0.2153, 0.1357

Rectangle

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



10.4688, 0.6170, 0.3284



10.4688, 0.5031, 0.4969



10.4688, 0.0815, 0.2075



10.4688, 0.1099, 0.1233

Sweetspot

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



10.4695, 0.6170, 0.3284



51.0298, 0.3702, 0.3279



13.1404, 0.3134, 0.1542



10.5535, 0.3800, 0.3277



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



10.4695, 0.6170, 0.3284



18.0397, 0.6387, 0.3292



18.1912, 0.5272, 0.4080



9.0148, 0.3285, 0.3286



7.0292, 0.6377, 0.3287



0.2487, 0.6284, 0.3235

Inverse Universe

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



10.4695, 0.6170, 0.3284



18.0397, 0.6387, 0.3292



13.8130, 0.1877, 0.1870



9.0148, 0.3285, 0.3286



7.0292, 0.6377, 0.3287



0.2487, 0.6284, 0.3235

Previews

White Background



This preview shows how the Yxy color 10.4688, 0.6170, 0.3284 looks on a white background.

Color Contrast Check

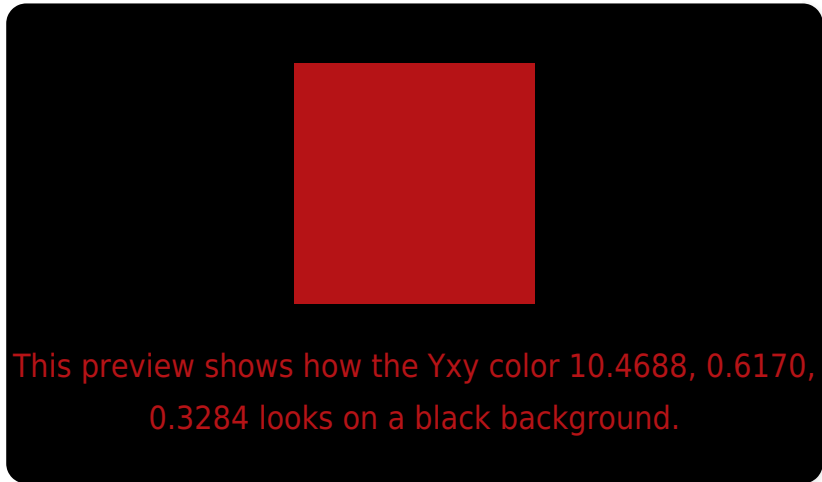
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4688, 0.6170, 0.3284

Background



This preview shows how black text looks on a background with the Yxy color 10.4688, 0.6170, 0.3284.



This preview shows how white text looks on a background with the Yxy color 10.4688, 0.6170, 0.3284.

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

10.4688, 0.6170, 0.3284

Protanopia

10.8522, 0.4087, 0.4499

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.4771, 0.6229, 0.3326

Trichromacy



Original Color

10.4688, 0.6170, 0.3284

Protanomaly

8.9062, 0.5076, 0.3856

Deuteranomaly

9.2353, 0.5478, 0.3950

Tritanomaly

10.4859, 0.6207, 0.3313

Monochromacy



Original Color

10.4688, 0.6170, 0.3284

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.7714, 0.4561, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4688, 0.6170, 0.3284 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(182, 19, 22)` looks like.

```
.text, #text, p{  
  color:rgb(182, 19, 22)  
}
```

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(182, 19, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 19, 22) }
```

Border

The CSS property to change the border of an element to Yxy 10.4688, 0.6170, 0.3284 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(182, 19, 22) }
```

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

```
.border{ border-color:rgb(182, 19, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 19, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 19, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 19, 22);  
box-shadow:4px 4px 4px 4px rgb(182, 19,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4688, 0.6170, 0.3284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 19, 22) }
```

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

```
.background{ background-color: rgb(182, 19,  
22) }
```

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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