

Converting Colors

$Y_{xy}(10.3658, 0.6210, 0.3252)$

Have a look what the booklet for
Yxy(10.3658, 0.6210, 0.3252)
contains.

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Color

Yxy(10.3646, 0.6210, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	B70B16
RGB	183, 11, 22
RGB Percent	72%, 4%, 9%
CMY	0.2824, 0.9566, 0.9139
CMYK	0.00, 0.94, 0.88, 0.28
HSL	356°, 89%, 38%
HSV	356°, 94%, 72%
XYZ	19.7922, 10.3646, 1.7147
YIQ	63.6820, 98.9810, 39.8850

Conversions

Conversions Part 2

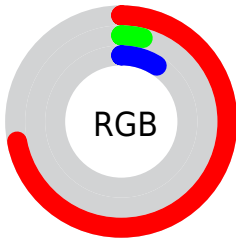
Format	Color
RYB	183, 11, 22
Decimal	11995926
CIELab	38.49, 61.50, 43.82
CIElCh	38, 75.508, 35.470
Yxy	10.3646, 0.6210, 0.3252
Android (android.graphics.Color)	4290186006 (0xFFB70B16)
YUV	63.6820, -20.5492, 104.6419
Hunter-Lab	32.1941, 53.3980, 19.3780

Details

The Yxy color **10.3646, 0.6210, 0.3252** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **36.9189, 0.2306, 0.3471**, and the grayscale version is **5.1014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5201, 0.5507, 0.3433**, and **3.9931, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.0925, 0.6333, 0.3262**, and if you desaturate by 10%, it is **11.1103, 0.5904, 0.3225**.

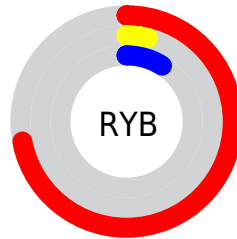
Distribution



Red (72%)

Green (4%)

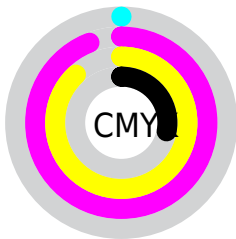
Blue (9%)



Red (72%)

Yellow (4%)

Blue (9%)

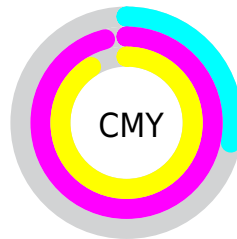


Cyan (0%)

Magenta (94%)

Yellow (88%)

Black (28%)



Cyan (28%)


Magenta (96%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3646, 0.6210, 0.3252 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 10.3646, 0.6210, 0.3252 by changing the saturation by 10% instead.


 10.3646, 0.6210,
0.3252


 10.3646, 0.6210,
0.3252


193.2548, 0.4393,
0.3484


 5.6414, 0.6726,
0.3072

 26.4791, 0.5508,
0.3426


 2.6283, 0.7286,
0.2714

 38.6391, 0.5252,
0.3460

 0.9409, 0.7902,
0.2098

 54.0468, 0.5042,
0.3479

 0.0000, 1.0000,
0.0000

 73.0866, 0.4867,
0.3488


 0.0000, 0.0000,
0.0000


 96.1429, 0.4719,
0.3491


 123.6001, 0.4594,


0.3490

 155.8427, 0.4486,
0.3488

 10.3646, 0.6210,
0.3252


 10.3646, 0.6210,
0.3252

 10.0925, 0.6333,
0.3262

 11.1103, 0.5904,
0.3225

 12.4405, 0.5490,
0.3208

 14.4441, 0.5031,
0.3203

 17.1941, 0.4588,
0.3208

 20.7542, 0.4193,
0.3220

■ 25.1814, 0.3859,
0.3235

■ 30.5274, 0.3586,
0.3252

■ 36.8400, 0.3365,
0.3269

■ 44.1634, 0.3187,
0.3284

Harmonies

Analogous

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



10.3646, 0.5407, 0.2473



10.3646, 0.6210, 0.3252



10.3646, 0.5806, 0.4194

Triad

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



10.3646, 0.6210, 0.3252



10.3646, 0.2029, 0.6029



10.3646, 0.1240, 0.1192

Complementary

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



10.3646, 0.6210, 0.3252



36.9189, 0.2306, 0.3471

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.



10.3646, 0.0851, 0.1376



10.3646, 0.6210, 0.3252



10.3646, 0.1124, 0.3763

Square

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



10.3646, 0.6210, 0.3252



10.3646, 0.3313, 0.6475



10.3646, 0.0794, 0.2077



10.3646, 0.2112, 0.1330

Rectangle

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



10.3646, 0.6210, 0.3252



10.3646, 0.5061, 0.4939



10.3646, 0.0794, 0.2077



10.3646, 0.1067, 0.1213

Sweetspot

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



10.3653, 0.6210, 0.3252



50.1547, 0.3702, 0.3245



12.3774, 0.3053, 0.1477



10.1933, 0.3824, 0.3237



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.



10.3653, 0.6210, 0.3252



18.0650, 0.6350, 0.3271



16.6772, 0.5462, 0.3981



9.0212, 0.3278, 0.3276



7.0447, 0.6319, 0.3255



0.2515, 0.6010, 0.3084

Inverse Universe

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



10.3653, 0.6210, 0.3252



18.0650, 0.6350, 0.3271



14.3188, 0.1874, 0.1903



9.0212, 0.3278, 0.3276



7.0447, 0.6319, 0.3255



0.2515, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 10.3646, 0.6210, 0.3252 looks on a white background.

Color Contrast Check

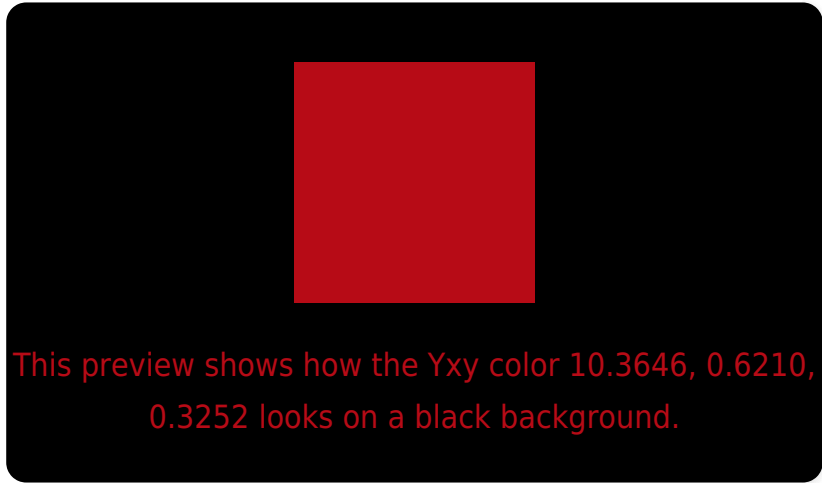
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3646, 0.6210, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 10.3646, 0.6210, 0.3252.



This preview shows how white text looks on a background with the Yxy color 10.3646, 0.6210, 0.3252.

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

10.3646, 0.6210, 0.3252

Protanopia

10.8522, 0.4087, 0.4499

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.4379, 0.6333, 0.3353

Trichromacy



Original Color

10.3646, 0.6210, 0.3252

Protanomaly

8.5648, 0.5128, 0.3802

Deuteranomaly

8.9120, 0.5536, 0.3902

Tritanomaly

10.3989, 0.6298, 0.3320

Monochromacy



Original Color

10.3646, 0.6210, 0.3252

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.2243, 0.4637, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3646, 0.6210, 0.3252 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(183, 11, 22)` looks like.

```
.text, #text, p{  
  color:rgb(183, 11, 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(183, 11, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 11, 22) }
```

Border

The CSS property to change the border of an element to Yxy 10.3646, 0.6210, 0.3252 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(183, 11, 22) }
```

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

```
.border{ border-color:rgb(183, 11, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 11, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 11, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 11, 22);  
box-shadow:4px 4px 4px 4px rgb(183, 11,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3646, 0.6210, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 11, 22) }
```

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

```
.background{ background-color: rgb(183, 11,  
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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