

Converting Colors

$Y_{xy}(10.1675, 0.6331, 0.3261)$

Have a look what the booklet for
Yxy(10.1675, 0.6331, 0.3261)
contains.

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Color

Yxy(10.2169, 0.6332, 0.3262)

Conversions

Conversions Part 1

Format	Color
Hex	B8000C
RGB	184, 0, 12
RGB Percent	72%, 0%, 5%
CMY	0.2784, 0.9997, 0.9533
CMYK	0.00, 1.00, 0.94, 0.28
HSL	356°, 100%, 36%
HSV	356°, 100%, 72%
XYZ	19.8324, 10.2169, 1.2716
YIQ	56.3840, 105.8120, 42.7400

Conversions

Conversions Part 2

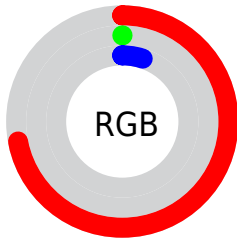
Format	Color
RYB	184, 0, 12
Decimal	12058636
CIELab	38.23, 62.82, 48.12
CIELCh	38, 79.131, 37.454
Yxy	10.2169, 0.6332, 0.3262
Android (android.graphics.Color)	4290248716 (0xFFB8000C)
YUV	56.3840, -21.8813, 111.9192
Hunter-Lab	31.9639, 54.8160, 20.0160

Details

The Yxy color **10.2169, 0.6332, 0.3262** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **37.2641, 0.2302, 0.3487**, and the grayscale version is **4.0292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1928, 0.5632, 0.3453**, and **4.0649, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.2160, 0.6332, 0.3262**, and if you desaturate by 10%, it is **10.7270, 0.6104, 0.3239**.

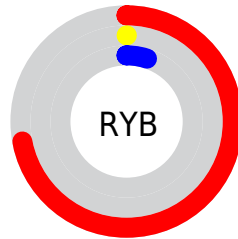
Distribution



Red (72%)

Green (0%)

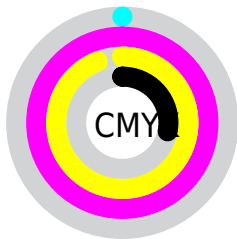
Blue (5%)



Red (72%)

Yellow (0%)

Blue (5%)

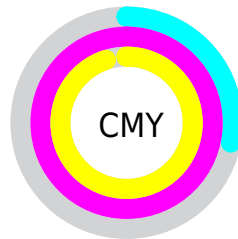


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2169, 0.6332, 0.3262 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 10.2169, 0.6332, 0.3262 by changing the saturation by 10% instead.


 10.2169, 0.6332,
0.3262


 10.2169, 0.6332,
0.3262


 192.2132, 0.4467,
0.3521


 5.5430, 0.6893,
0.3086

 26.2027, 0.5627,
0.3458


 2.5692, 0.7337,
0.2663

 38.2833, 0.5365,
0.3497


 0.9112, 0.7961,
0.2039

 53.6017, 0.5147,
0.3518

 0.0000, 1.0000,
0.0000


 72.5422, 0.4965,
0.3527


 0.0000, 0.0000,
0.0000


 95.4892, 0.4811,
0.3530


 122.8271, 0.4679,


0.3530


 154.9403, 0.4566,
0.3526


 10.2169, 0.6332,
0.3262


 10.2169, 0.6332,
0.3262

 10.2160, 0.6332,
0.3262

 10.7270, 0.6104,
0.3239

 11.7045, 0.5748,
0.3215

 13.3124, 0.5307,
0.3203

 15.6332, 0.4849,
0.3203

 18.7366, 0.4422,
0.3211

■ 22.6842, 0.4052,
0.3225

■ 27.5314, 0.3743,
0.3241

■ 33.3288, 0.3492,
0.3258

■ 40.1236, 0.3289,
0.3275

Harmonies

Analogous

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



10.2169, 0.5616, 0.2480



10.2169, 0.6332, 0.3262



10.2169, 0.5782, 0.4218

Triad

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



10.2169, 0.6332, 0.3262



10.2169, 0.1877, 0.6082



10.2169, 0.1221, 0.1129

Complementary

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



10.2169, 0.6332, 0.3262



37.2641, 0.2302, 0.3487

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.



10.2169, 0.0805, 0.1285



10.2169, 0.6332, 0.3262



10.2169, 0.1007, 0.3614

Square

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



10.2169, 0.6332, 0.3262



10.2169, 0.3179, 0.6679



10.2169, 0.0721, 0.1940



10.2169, 0.2149, 0.1290

Rectangle

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



10.2169, 0.6332, 0.3262



10.2169, 0.4985, 0.5015



10.2169, 0.0721, 0.1940



10.2169, 0.1038, 0.1143

Sweetspot

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



10.2176, 0.6332, 0.3262



49.3953, 0.3758, 0.3240



12.2025, 0.3043, 0.1450



9.8203, 0.3881, 0.3233



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.



10.2176, 0.6332, 0.3262



18.5085, 0.6349, 0.3271



15.8934, 0.5600, 0.3935



9.0213, 0.3278, 0.3276



7.0451, 0.6318, 0.3254



0.2515, 0.6005, 0.3082

Inverse Universe

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



10.2176, 0.6332, 0.3262



18.5085, 0.6349, 0.3271



13.4206, 0.1835, 0.1807



9.0213, 0.3278, 0.3276



7.0451, 0.6318, 0.3254



0.2515, 0.6005, 0.3082

Previews

White Background



This preview shows how the Yxy color 10.2169, 0.6332, 0.3262 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 10.2169, 0.6332, 0.3262

Background



This preview shows how black text looks on a background with the Yxy color 10.2169, 0.6332, 0.3262.



This preview shows how white text looks on a background with the Yxy color 10.2169, 0.6332, 0.3262.

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

10.2169, 0.6332, 0.3262

Protanopia

10.8605, 0.4199, 0.4632

Deuteranopia

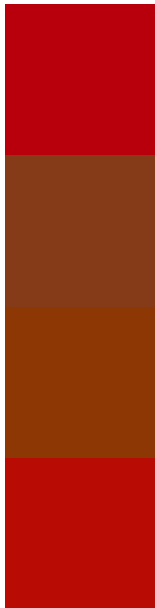
10.7614, 0.4688, 0.4660



Tritanopia

10.4682, 0.6328, 0.3358

Trichromacy



Original Color

10.2169, 0.6332, 0.3262

Protanomaly

8.1763, 0.5334, 0.3829

Deuteranomaly

8.4998, 0.5640, 0.3860

Tritanomaly

10.3154, 0.6334, 0.3322

Monochromacy



Original Color

10.2169, 0.6332, 0.3262

Achromatopsia

3.9546, 0.3127, 0.3290

Achromatomaly

4.2985, 0.4933, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2169, 0.6332, 0.3262 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(184, 0, 12)` looks like.

```
.text, #text, p{  
  color:rgb(184, 0, 12)  
}
```

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(184, 0, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 12) }
```

Border

The CSS property to change the border of an element to Yxy 10.2169, 0.6332, 0.3262 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(184, 0, 12) }
```

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

```
.border{ border-color:rgb(184, 0, 12) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2169, 0.6332, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 12) }
```

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

```
.background{ background-color: rgb(184, 0,  
12) }
```

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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