

Converting Colors

$Y_{xy}(10.2284, 0.6304, 0.3246)$

Have a look what the booklet for
Yxy(10.2284, 0.6304, 0.3246)
contains.

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Color

Yxy(10.2278, 0.6304, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	B80010
RGB	184, 0, 16
RGB Percent	72%, 0%, 6%
CMY	0.2784, 1.0000, 0.9372
CMYK	0.00, 1.00, 0.91, 0.28
HSL	355°, 100%, 36%
HSV	355°, 100%, 72%
XYZ	19.8632, 10.2278, 1.4179
YIQ	56.8400, 104.5280, 43.9840

Conversions

Conversions Part 2

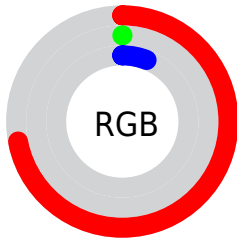
Format	Color
RYB	184, 0, 16
Decimal	12058640
CIELab	38.25, 62.89, 46.48
CIElCh	38, 78.198, 36.467
Yxy	10.2278, 0.6304, 0.3246
Android (android.graphics.Color)	4290248720 (0xFFB80010)
YUV	56.8400, -20.1341, 111.5193
Hunter-Lab	31.9809, 54.8990, 19.7580

Details

The Yxy color **10.2278, 0.6304, 0.3246** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **37.1136, 0.2322, 0.3560**, and the grayscale version is **4.0867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3724, 0.5595, 0.3441**, and **4.0649, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.2294, 0.6304, 0.3246**, and if you desaturate by 10%, it is **10.7465, 0.6060, 0.3213**.

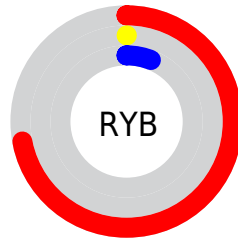
Distribution



Red (72%)

Green (0%)

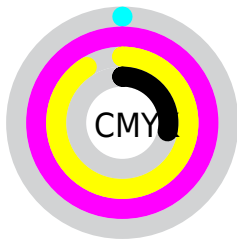
Blue (6%)



Red (72%)

Yellow (0%)

Blue (6%)

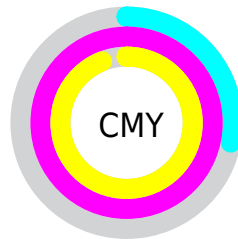


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (28%)



Cyan (28%)

Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2278, 0.6304, 0.3246 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 10.2278, 0.6304, 0.3246 by changing the saturation by 10% instead.


 10.2278, 0.6304,
0.3246

 10.2278, 0.6304,
0.3246


 192.2903, 0.4446,
0.3503


 5.5503, 0.6849,
0.3065

 26.2231, 0.5596,
0.3437


 2.5736, 0.7338,
0.2662

 38.3096, 0.5334,
0.3476


 0.9134, 0.7961,
0.2039

 53.6346, 0.5118,
0.3496

 0.0000, 1.0000,
0.0000

 72.5825, 0.4937,
0.3507

 0.0000, 0.0000,
0.0000

 95.5376, 0.4785,
0.3510


 122.8843, 0.4655,

0.3510

 155.0071, 0.4543,
0.3507

 10.2278, 0.6304,
0.3246

 10.2278, 0.6304,
0.3246

 10.2294, 0.6304,
0.3246

 10.7465, 0.6060,
0.3213

 11.7298, 0.5696,
0.3183

 13.3420, 0.5258,
0.3168

 15.6648, 0.4808,
0.3169

 18.7677, 0.4391,
0.3182

■ 22.7120, 0.4030,
0.3201

■ 27.5527, 0.3729,
0.3223

■ 33.3403, 0.3484,
0.3247

■ 40.1214, 0.3286,
0.3269

Harmonies

Analogous

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



10.2278, 0.5540, 0.2465



10.2278, 0.6304, 0.3246



10.2278, 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.



10.2278, 0.6304, 0.3246



10.2278, 0.1934, 0.6102



10.2278, 0.1215, 0.1144

Complementary

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



10.2278, 0.6304, 0.3246



37.1136, 0.2322, 0.3560

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.



10.2278, 0.0811, 0.1312



10.2278, 0.6304, 0.3246



10.2278, 0.1044, 0.3691

Square

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



10.2278, 0.6304, 0.3246



10.2278, 0.3238, 0.6623



10.2278, 0.0739, 0.1991



10.2278, 0.2118, 0.1294

Rectangle

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



10.2278, 0.6304, 0.3246



10.2278, 0.5026, 0.4974



10.2278, 0.0739, 0.1991



10.2278, 0.1036, 0.1161

Sweetspot

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



10.2294, 0.6304, 0.3246



49.4584, 0.3742, 0.3222



11.5263, 0.2959, 0.1404



9.8348, 0.3862, 0.3213



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.



10.2294, 0.6304, 0.3246



18.5264, 0.6324, 0.3257



15.0370, 0.5696, 0.3859



9.0246, 0.3274, 0.3270



7.0536, 0.6287, 0.3237



0.2529, 0.5880, 0.3013

Inverse Universe

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



10.2294, 0.6304, 0.3246



18.5264, 0.6324, 0.3257



14.7013, 0.1868, 0.1924



9.0246, 0.3274, 0.3270



7.0536, 0.6287, 0.3237



0.2529, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 10.2278, 0.6304, 0.3246 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 10.2278, 0.6304, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 10.2278, 0.6304, 0.3246.



This preview shows how white text looks on a background with the Yxy color 10.2278, 0.6304, 0.3246.

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

10.2278, 0.6304, 0.3246

Protanopia

10.8760, 0.4170, 0.4588

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.4682, 0.6328, 0.3358

Trichromacy



Original Color

10.2278, 0.6304, 0.3246

Protanomaly

8.1891, 0.5296, 0.3797

Deuteranomaly

8.5042, 0.5627, 0.3849

Tritanomaly

10.3198, 0.6323, 0.3315

Monochromacy



Original Color

10.2278, 0.6304, 0.3246

Achromatopsia

4.0915, 0.3127, 0.3290

Achromatomaly

4.3125, 0.4874, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2278, 0.6304, 0.3246 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.2278, 0.6304, 0.3246 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, 16) }
```

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

```
.border{ border-color:rgb(184, 0, 16) }
```

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, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 16);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2278, 0.6304, 0.3246 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, 16) }
```

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

```
.background{ background-color: rgb(184, 0,  
16) }
```

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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