

Converting Colors

$Y_{xy}(10.1708, 0.6278, 0.3397)$

Have a look what the booklet for
Yxy(10.1708, 0.6278, 0.3397)
contains.

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Color

Yxy(10.1182, 0.6276, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	B21800
RGB	178, 24, 0
RGB Percent	70%, 9%, 0%
CMY	0.3019, 0.9059, 0.9996
CMYK	0.00, 0.87, 1.00, 0.30
HSL	8°, 100%, 35%
HSV	8°, 100%, 70%
XYZ	18.6880, 10.1182, 0.9707
YIQ	67.3100, 99.4880, 25.1840

Conversions

Conversions Part 2

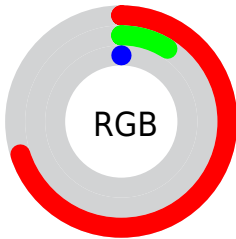
Format	Color
R_{YB}	178, 28, 0
Decimal	11671552
CIE _{Lab}	38.05, 57.75, 51.73
CIE _{LCh}	38, 77.531, 41.848
Yxy	10.1182, 0.6276, 0.3398
Android (android.graphics.Color)	4289861632 (0xFFB21800)
YUV	67.3100, -33.1838, 97.0751
Hunter-Lab	31.8091, 49.2036, 20.4570

Details

The Yxy color **10.1182, 0.6276, 0.3398** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **26.3602, 0.2128, 0.2861**, and the grayscale version is **5.7080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9327, 0.5599, 0.3574**, and **3.6448, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.1153, 0.6277, 0.3398**, and if you desaturate by 10%, it is **10.9866, 0.6027, 0.3447**.

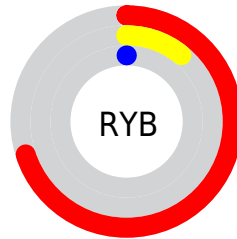
Distribution



Red (70%)

Green (9%)

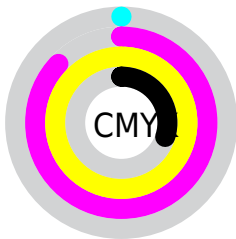
Blue (0%)



Red (70%)

Yellow (11%)

Blue (0%)

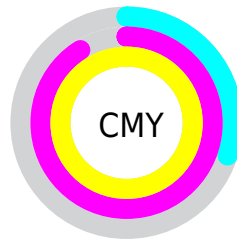


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1182, 0.6276, 0.3398 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 10.1182, 0.6276, 0.3398 by changing the saturation by 10% instead.


 10.1182, 0.6276,
0.3398


 10.1182, 0.6276,
0.3398


 191.5136, 0.4462,
0.3595


 5.4774, 0.6783,
0.3217

 26.0176, 0.5601,
0.3578


 2.5300, 0.7200,
0.2800

 38.0450, 0.5346,
0.3609


 0.8916, 0.7820,
0.2180

 53.3033, 0.5133,
0.3622

 0.0000, 1.0000,
0.0000

 72.1770, 0.4954,
0.3624


 0.0000, 0.0000,
0.0000


 95.0505, 0.4802,
0.3620


 122.3082, 0.4672,

0.3613


 154.3344, 0.4560,
0.3605


 10.1182, 0.6276,
0.3398


 10.1182, 0.6276,
0.3398


 10.1153, 0.6277,
0.3398

 10.9866, 0.6027,
0.3447

 12.3058, 0.5675,
0.3486

 14.1355, 0.5253,
0.3499

 16.5213, 0.4819,
0.3491

 19.5038, 0.4413,
0.3467

■ 23.1198, 0.4056,
0.3434

■ 27.4029, 0.3753,
0.3397

■ 32.3845, 0.3502,
0.3359

■ 38.0940, 0.3295,
0.3323

Harmonies

Analogous

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



10.1182, 0.5774, 0.2607



10.1182, 0.6276, 0.3398



10.1182, 0.5610, 0.4390

Triad

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



10.1182, 0.6276, 0.3398



10.1182, 0.1740, 0.5725



10.1182, 0.1338, 0.1155

Complementary

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



10.1182, 0.6276, 0.3398



26.3602, 0.2128, 0.2861

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.



10.1182, 0.0863, 0.1260



10.1182, 0.6276, 0.3398



10.1182, 0.0959, 0.3291

Square

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



10.1182, 0.6276, 0.3398



10.1182, 0.2980, 0.6658



10.1182, 0.0735, 0.1819



10.1182, 0.2356, 0.1358

Rectangle

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



10.1182, 0.6276, 0.3398



10.1182, 0.4792, 0.5208



10.1182, 0.0735, 0.1819



10.1182, 0.1132, 0.1153

Sweetspot

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



10.1188, 0.6276, 0.3398



49.2126, 0.3769, 0.3399



11.8101, 0.3576, 0.1744



10.1588, 0.3890, 0.3415



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.



10.1188, 0.6276, 0.3398



18.1533, 0.6296, 0.3383



21.2249, 0.5020, 0.4395



8.6833, 0.3284, 0.3321



7.2924, 0.6263, 0.3409



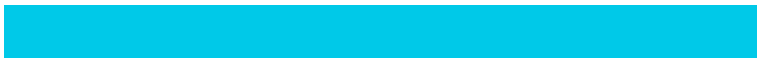
0.2875, 0.5853, 0.3735

Inverse Universe

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



26.3602, 0.2128, 0.2861



47.5438, 0.2126, 0.2853



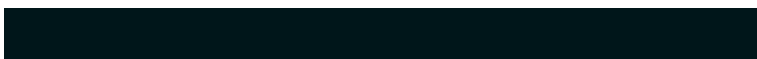
7.0335, 0.1660, 0.1174



9.4329, 0.2986, 0.3259



18.9233, 0.2129, 0.2866



0.6490, 0.2165, 0.2995

Previews

White Background



This preview shows how the Yxy color 10.1182, 0.6276, 0.3398 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



This preview shows how the Yxy color 10.1182, 0.6276, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

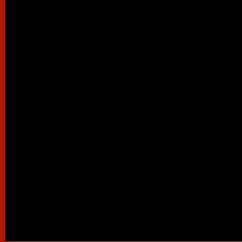
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.1182, 0.6276, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 10.1182, 0.6276, 0.3398.



This preview shows how white text looks on a background with the Yxy color 10.1182, 0.6276, 0.3398.

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

10.1182, 0.6276, 0.3398

Protanopia

10.5958, 0.4259, 0.4717

Deuteranopia

10.4612, 0.4676, 0.4669



Tritanopia

10.1248, 0.6161, 0.3321

Trichromacy



Original Color

10.1182, 0.6276, 0.3398

Protanomaly

8.7918, 0.5228, 0.4070

Deuteranomaly

9.0701, 0.5476, 0.4034

Tritanomaly

10.1043, 0.6214, 0.3352

Monochromacy



Original Color

10.1182, 0.6276, 0.3398

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.6679, 0.4706, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1182, 0.6276, 0.3398 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(178, 24, 0)` looks like.

```
.text, #text, p{  
  color:rgb(178, 24, 0)  
}
```

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(178, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 24, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1182, 0.6276, 0.3398 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(178, 24, 0) }
```

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

```
.border{ border-color:rgb(178, 24, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 24, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 24, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1182, 0.6276, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 24, 0) }
```

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

```
.background{ background-color: rgb(178, 24,  
0) }
```

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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