

Converting Colors

$Y_{xy}(12.1483, 0.6357, 0.3276)$

Have a look what the booklet for
Yxy(12.1483, 0.6357, 0.3276)
contains.

Yxy(12.1618, 0.6357, 0.3276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.1618, 0.6357, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	C70009
RGB	199, 0, 9
RGB Percent	78%, 0%, 4%
CMY	0.2197, 0.9995, 0.9647
CMYK	0.00, 1.00, 0.95, 0.22
HSL	357°, 100%, 39%
HSV	357°, 100%, 78%
XYZ	23.5997, 12.1618, 1.3624
YIQ	60.5270, 115.7150, 44.9870

Conversions

Conversions Part 2

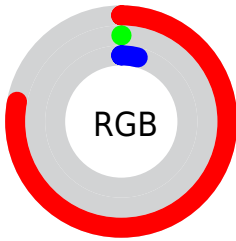
Format	Color
R_{YB}	199, 0, 9
Decimal	13041673
CIE _{Lab}	41.47, 66.54, 52.66
CIE _{LCh}	41, 84.854, 38.358
Yxy	12.1618, 0.6357, 0.3276
Android (android.graphics.Color)	4291231753 (0xFFC70009)
YUV	60.5270, -25.4028, 121.4408
Hunter-Lab	34.8738, 59.7649, 22.0953

Details

The Yxy color **12.1618, 0.6357, 0.3276** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **44.5627, 0.2285, 0.3425**, and the grayscale version is **4.6312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9061, 0.5641, 0.3484**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.1595, 0.6358, 0.3276**, and if you desaturate by 10%, it is **12.7253, 0.6152, 0.3261**.

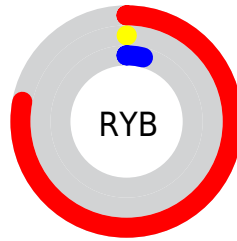
Distribution



Red (78%)

Green (0%)

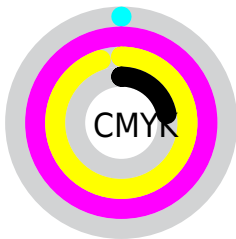
Blue (4%)



Red (78%)

Yellow (0%)

Blue (4%)

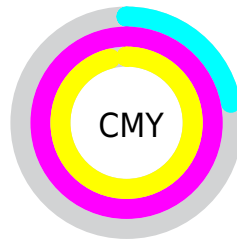


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1618, 0.6357, 0.3276 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 12.1618, 0.6357, 0.3276 by changing the saturation by 10% instead.


 12.1618, 0.6357,
0.3276


 12.1618, 0.6357,
0.3276


 205.4735, 0.4537,
0.3541


 6.8540, 0.6852,
0.3098


 29.7894, 0.5689,
0.3471


 3.3709, 0.7279,
0.2721

 42.8781, 0.5435,
0.3511

 1.3283, 0.7836,
0.2164

 59.3290, 0.5221,
0.3534

 0.1630, 0.9302,
0.0698

 79.5268, 0.5040,
0.3545

 0.0000, 1.0000,
0.0000


 103.8557, 0.4885,
0.3549


 0.0000, 0.0000,
0.0000


 132.7002, 0.4753,

0.3549


 166.4447, 0.4638,
0.3546

 12.1618, 0.6357,
0.3276

 12.1618, 0.6357,
0.3276


 12.1595, 0.6358,
0.3276

 12.7253, 0.6152,
0.3261

 13.8581, 0.5807,
0.3243

 15.7472, 0.5367,
0.3233

 18.4935, 0.4899,
0.3231

 22.1826, 0.4461,
0.3237

■ 26.8896, 0.4078,
0.3246

■ 32.6820, 0.3760,
0.3257

■ 39.6217, 0.3501,
0.3268

■ 47.7659, 0.3293,
0.3279

Harmonies

Analogous

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



12.1618, 0.5686, 0.2493



12.1618, 0.6357, 0.3276



12.1618, 0.5759, 0.4241

Triad

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



12.1618, 0.6357, 0.3276



12.1618, 0.1825, 0.6062



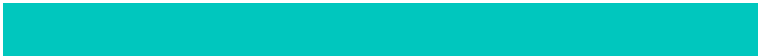
12.1618, 0.1227, 0.1116

Complementary

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



12.1618, 0.6357, 0.3276



44.5627, 0.2285, 0.3425

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.



12.1618, 0.0798, 0.1259



12.1618, 0.6357, 0.3276



12.1618, 0.0973, 0.3543

Square

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



12.1618, 0.6357, 0.3276



12.1618, 0.3109, 0.6700



12.1618, 0.0704, 0.1893



12.1618, 0.2178, 0.1285

Rectangle

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



12.1618, 0.6357, 0.3276



12.1618, 0.4946, 0.5054



12.1618, 0.0704, 0.1893



12.1618, 0.1039, 0.1126

Sweetspot

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



12.1626, 0.6357, 0.3276



56.6741, 0.3774, 0.3256



14.9498, 0.3084, 0.1473



11.1596, 0.3904, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.1626, 0.6357, 0.3276



21.2851, 0.6369, 0.3282



19.3877, 0.5560, 0.3967



10.6445, 0.3283, 0.3280



7.8236, 0.6346, 0.3270



0.3732, 0.6159, 0.3166

Inverse Universe

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



12.1626, 0.6357, 0.3276



21.2851, 0.6369, 0.3282



15.1678, 0.1817, 0.1741



10.6445, 0.3283, 0.3280



7.8236, 0.6346, 0.3270



0.3732, 0.6159, 0.3166

Previews

White Background



This preview shows how the Yxy color 12.1618, 0.6357, 0.3276 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 12.1618, 0.6357, 0.3276 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 12.1618, 0.6357, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 12.1618, 0.6357, 0.3276.



This preview shows how white text looks on a background with the Yxy color 12.1618, 0.6357, 0.3276.

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

12.1618, 0.6357, 0.3276

Protanopia

12.9019, 0.4237, 0.4683

Deuteranopia

12.6964, 0.4702, 0.4648



Tritanopia

12.3029, 0.6334, 0.3353

Trichromacy



Original Color

12.1618, 0.6357, 0.3276

Protanomaly

9.6502, 0.5392, 0.3863

Deuteranomaly

10.1164, 0.5658, 0.3862

Tritanomaly

12.2753, 0.6346, 0.3324

Monochromacy



Original Color

12.1618, 0.6357, 0.3276

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

4.9977, 0.4984, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1618, 0.6357, 0.3276 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(199, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 9)  
}
```

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(199, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 9) }
```

Border

The CSS property to change the border of an element to Yxy 12.1618, 0.6357, 0.3276 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(199, 0, 9) }
```

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

```
.border{ border-color:rgb(199, 0, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(199, 0, 9); box-shadow:4px  
4px 4px 4px rgb(199, 0, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1618, 0.6357, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 9) }
```

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

```
.background{ background-color: rgb(199, 0,  
9) }
```

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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