

Converting Colors

$Y_{xy}(12.5942, 0.6331, 0.3279)$

Have a look what the booklet for
Yxy(12.5942, 0.6331, 0.3279)
contains.

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Color

Yxy(12.5309, 0.6331, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	C9040C
RGB	201, 4, 12
RGB Percent	79%, 2%, 5%
CMY	0.2118, 0.9838, 0.9531
CMYK	0.00, 0.98, 0.94, 0.21
HSL	358°, 96%, 40%
HSV	358°, 98%, 79%
XYZ	24.1943, 12.5309, 1.4904
YIQ	63.8150, 114.8440, 44.2520

Conversions

Conversions Part 2

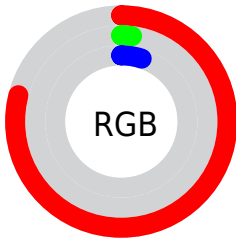
Format	Color
RYB	201, 4, 12
Decimal	13173772
CIELab	42.05, 66.67, 52.24
CIELCh	42, 84.702, 38.079
Yxy	12.5309, 0.6331, 0.3279
Android (android.graphics.Color)	4291363852 (0xFFC9040C)
YUV	63.8150, -25.5448, 120.3112
Hunter-Lab	35.3990, 60.0518, 22.2830

Details

The Yxy color **12.5309, 0.6331, 0.3279** 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 **45.6501, 0.2282, 0.3408**, and the grayscale version is **5.1350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0832, 0.5614, 0.3480**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.4330, 0.6363, 0.3279**, and if you desaturate by 10%, it is **13.1787, 0.6105, 0.3262**.

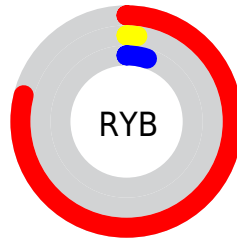
Distribution



Red (79%)

Green (2%)

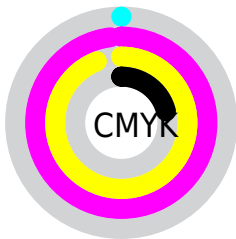
Blue (5%)



Red (79%)

Yellow (2%)

Blue (5%)

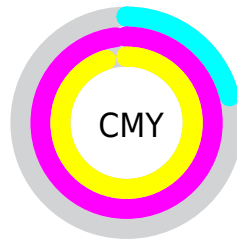


Cyan (0%)

Magenta (98%)

Yellow (94%)

Black (21%)



Cyan (21%)


Magenta (98%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5309, 0.6331, 0.3279 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 12.5309, 0.6331, 0.3279 by changing the saturation by 10% instead.


 12.5309, 0.6331,
0.3279


 12.5309, 0.6331,
0.3279


 207.8890, 0.4528,
0.3536

 7.1063, 0.6808,
0.3100


 30.4584, 0.5669,
0.3467


 3.5287, 0.7256,
0.2744

 43.7301, 0.5416,
0.3507


 1.4136, 0.7802,
0.2198

 60.3864, 0.5204,
0.3528

 0.2267, 0.9100,
0.0900

 80.8115, 0.5025,
0.3539

 0.0000, 1.0000,
0.0000


 105.3900, 0.4872,
0.3543


 0.0000, 0.0000,
0.0000


 134.5061, 0.4741,


0.3543


 168.5443, 0.4627,
0.3540


 12.5309, 0.6331,
0.3279

 12.5309, 0.6331,
0.3279


 12.4330, 0.6363,
0.3279

 13.1787, 0.6105,
0.3262

 14.4768, 0.5738,
0.3247

 16.5714, 0.5286,
0.3239

 19.5624, 0.4819,
0.3239

 23.5352, 0.4387,
0.3244

■ 28.5653, 0.4015,
0.3253

■ 34.7207, 0.3707,
0.3262

■ 42.0638, 0.3458,
0.3273

■ 50.6524, 0.3257,
0.3283

Harmonies

Analogous

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



12.5309, 0.5646, 0.2496



12.5309, 0.6331, 0.3279



12.5309, 0.5760, 0.4240

Triad

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



12.5309, 0.6331, 0.3279



12.5309, 0.1853, 0.6041



12.5309, 0.1234, 0.1130

Complementary

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



12.5309, 0.6331, 0.3279



45.6501, 0.2282, 0.3408

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.



12.5309, 0.0810, 0.1278



12.5309, 0.6331, 0.3279



12.5309, 0.0996, 0.3565

Square

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



12.5309, 0.6331, 0.3279



12.5309, 0.3132, 0.6652



12.5309, 0.0719, 0.1918



12.5309, 0.2176, 0.1296

Rectangle

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



12.5309, 0.6331, 0.3279



12.5309, 0.4958, 0.5042



12.5309, 0.0719, 0.1918



12.5309, 0.1048, 0.1141

Sweetspot

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



12.5317, 0.6331, 0.3279



57.7885, 0.3748, 0.3261



15.4010, 0.3086, 0.1480



11.3683, 0.3878, 0.3257



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.



12.5317, 0.6331, 0.3279



21.2823, 0.6373, 0.3284



20.2036, 0.5517, 0.3982



10.6437, 0.3283, 0.3281



7.8219, 0.6352, 0.3273



0.3728, 0.6184, 0.3180

Inverse Universe

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



12.5317, 0.6331, 0.3279



21.2823, 0.6373, 0.3284



15.9203, 0.1830, 0.1773



10.6437, 0.3283, 0.3281



7.8219, 0.6352, 0.3273



0.3728, 0.6184, 0.3180

Previews

White Background



This preview shows how the Yxy color 12.5309, 0.6331, 0.3279 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 12.5309, 0.6331, 0.3279 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 12.5309, 0.6331, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 12.5309, 0.6331, 0.3279.



This preview shows how white text looks on a background with the Yxy color 12.5309, 0.6331, 0.3279.

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

12.5309, 0.6331, 0.3279

Protanopia

13.1739, 0.4223, 0.4665

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.7451, 0.6331, 0.3355

Trichromacy



Original Color

12.5309, 0.6331, 0.3279

Protanomaly

10.0693, 0.5359, 0.3866

Deuteranomaly

10.5323, 0.5633, 0.3874

Tritanomaly

12.6022, 0.6335, 0.3327

Monochromacy



Original Color

12.5309, 0.6331, 0.3279

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.4228, 0.4917, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5309, 0.6331, 0.3279 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(201, 4, 12)` looks like.

```
.text, #text, p{  
    color:rgb(201, 4, 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(201, 4, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 4, 12) }
```

Border

The CSS property to change the border of an element to Yxy 12.5309, 0.6331, 0.3279 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(201, 4, 12) }
```

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

```
.border{ border-color:rgb(201, 4, 12) }
```

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

Here you see how a box with a 4 pixel rgb(201, 4, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 4, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 4, 12);  
box-shadow:4px 4px 4px 4px rgb(201, 4, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5309, 0.6331, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 4, 12) }
```

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

```
.background{ background-color: rgb(201, 4,  
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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