

Converting Colors

$Y_{xy}(12.6756, 0.6283, 0.3243)$

Have a look what the booklet for
Yxy(12.6756, 0.6283, 0.3243)
contains.

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Color

Yxy(12.6541, 0.6281, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	CA0215
RGB	202, 2, 21
RGB Percent	79%, 1%, 8%
CMY	0.2078, 0.9922, 0.9175
CMYK	0.00, 0.99, 0.90, 0.21
HSL	354°, 98%, 40%
HSV	354°, 99%, 79%
XYZ	24.5159, 12.6541, 1.8618
YIQ	63.9660, 113.1010, 48.3090

Conversions

Conversions Part 2

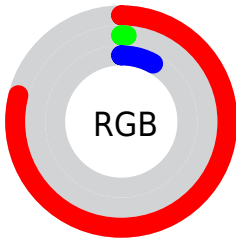
Format	Color
RYB	202, 2, 21
Decimal	13238805
CIELab	42.24, 67.25, 48.88
CIElCh	42, 83.143, 36.011
Yxy	12.6541, 0.6281, 0.3242
Android (android.graphics.Color)	4291428885 (0xFFCA0215)
YUV	63.9660, -21.1822, 121.0558
Hunter-Lab	35.5726, 60.7662, 21.7977

Details

The Yxy color **12.6541, 0.6281, 0.3242** 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 **45.6738, 0.2331, 0.3585**, and the grayscale version is **5.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1622, 0.5548, 0.3434**, and **5.4033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.6053, 0.6300, 0.3244**, and if you desaturate by 10%, it is **13.2872, 0.6029, 0.3202**.

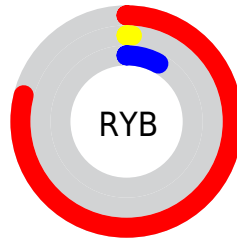
Distribution



Red (79%)

Green (1%)

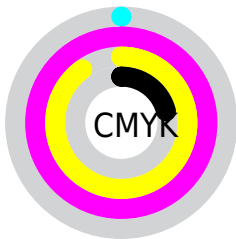
Blue (8%)



Red (79%)

Yellow (1%)

Blue (8%)

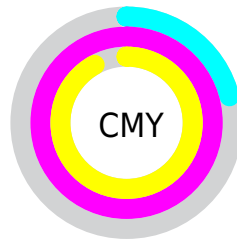


Cyan (0%)

Magenta (99%)

Yellow (90%)

Black (21%)



Cyan (21%)


Magenta (99%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6541, 0.6281, 0.3242 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 12.6541, 0.6281, 0.3242 by changing the saturation by 10% instead.


 12.6541, 0.6281,
0.3242


 12.6541, 0.6281,
0.3242


208.6888, 0.4488,
0.3497


 7.1908, 0.6741,
0.3060


 30.6809, 0.5612,
0.3422


 3.5817, 0.7263,
0.2737

 44.0133, 0.5361,
0.3461


 1.4424, 0.7806,
0.2194

 60.7374, 0.5152,
0.3483

 0.2477, 0.9050,
0.0950

 81.2377, 0.4975,
0.3495


 0.0000, 1.0000,
0.0000


 105.8986, 0.4825,
0.3500


 0.0000, 0.0000,
0.0000


 135.1045, 0.4697,

0.3502


 169.2398, 0.4585,
0.3500

 12.6541, 0.6281,
0.3242


 12.6541, 0.6281,
0.3242


 12.6053, 0.6300,
0.3244

 13.2872, 0.6029,
0.3202

 14.5426, 0.5656,
0.3169

 16.5874, 0.5215,
0.3155

 19.5231, 0.4765,
0.3158

 23.4359, 0.4353,
0.3172

■ 28.4021, 0.3997,
0.3194

■ 34.4902, 0.3702,
0.3219

■ 41.7631, 0.3462,
0.3245

■ 50.2789, 0.3269,
0.3269

Harmonies

Analogous

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



12.6541, 0.5497, 0.2462



12.6541, 0.6281, 0.3242



12.6541, 0.5813, 0.4187

Triad

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



12.6541, 0.6281, 0.3242



12.6541, 0.1965, 0.6097



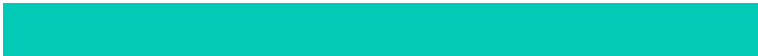
12.6541, 0.1216, 0.1155

Complementary

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



12.6541, 0.6281, 0.3242



45.6738, 0.2331, 0.3585

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.



12.6541, 0.0819, 0.1330



12.6541, 0.6281, 0.3242



12.6541, 0.1068, 0.3726

Square

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



12.6541, 0.6281, 0.3242



12.6541, 0.3250, 0.6548



12.6541, 0.0753, 0.2019



12.6541, 0.2108, 0.1300

Rectangle

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



12.6541, 0.6281, 0.3242



12.6541, 0.5044, 0.4956



12.6541, 0.0753, 0.2019



12.6541, 0.1041, 0.1174

Sweetspot

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



12.6549, 0.6281, 0.3242



56.8362, 0.3740, 0.3215



14.2534, 0.2960, 0.1407



11.1964, 0.3862, 0.3205



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.



12.6549, 0.6281, 0.3242



21.3272, 0.6317, 0.3254



18.5959, 0.5684, 0.3859



11.2307, 0.3275, 0.3268



8.1168, 0.6281, 0.3234



0.4248, 0.5934, 0.3042

Inverse Universe

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



12.6549, 0.6281, 0.3242



21.3272, 0.6317, 0.3254



18.1964, 0.1871, 0.1930



11.2307, 0.3275, 0.3268



8.1168, 0.6281, 0.3234



0.4248, 0.5934, 0.3042

Previews

White Background



This preview shows how the Yxy color 12.6541, 0.6281, 0.3242 looks on a white background.

Color Contrast Check

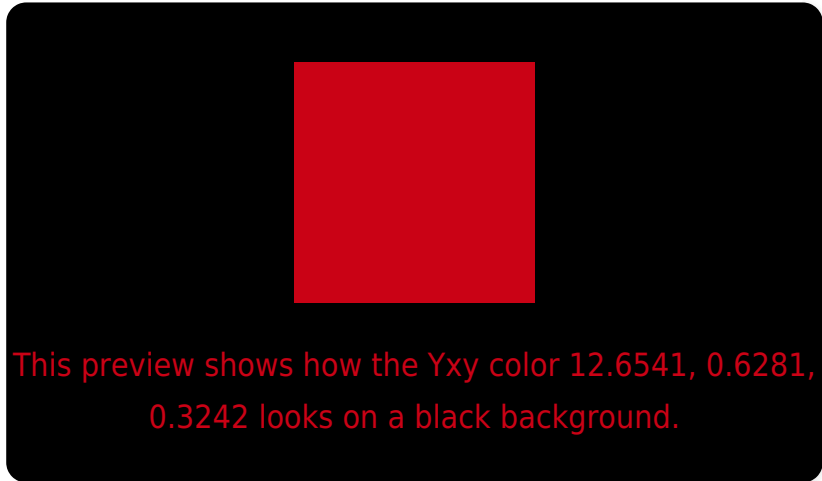
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6541, 0.6281, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 12.6541, 0.6281, 0.3242.



This preview shows how white text looks on a background with the Yxy color 12.6541, 0.6281, 0.3242.

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

12.6541, 0.6281, 0.3242

Protanopia

13.2266, 0.4140, 0.4542

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

12.8501, 0.6337, 0.3350

Trichromacy



Original Color

12.6541, 0.6281, 0.3242

Protanomaly

10.1117, 0.5257, 0.3780

Deuteranomaly

10.5307, 0.5637, 0.3836

Tritanomaly

12.6980, 0.6325, 0.3310

Monochromacy



Original Color

12.6541, 0.6281, 0.3242

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.3767, 0.4851, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6541, 0.6281, 0.3242 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(202, 2, 21)` looks like.

```
.text, #text, p{  
    color:rgb(202, 2, 21)  
}
```

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(202, 2, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 2, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.6541, 0.6281, 0.3242 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(202, 2, 21) }
```

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

```
.border{ border-color:rgb(202, 2, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 2, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 2, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 2, 21);  
box-shadow:4px 4px 4px 4px rgb(202, 2, 21)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6541, 0.6281, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 2, 21) }
```

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

```
.background{ background-color: rgb(202, 2,  
21) }
```

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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