

Converting Colors

$Y_{xy}(14.2488, 0.6298, 0.3243)$

Have a look what the booklet for
Yxy(14.2488, 0.6298, 0.3243)
contains.

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Color

Yxy(14.2003, 0.6300, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	D50015
RGB	213, 0, 21
RGB Percent	84%, 0%, 8%
CMY	0.1647, 1.0000, 0.9177
CMYK	0.00, 1.00, 0.90, 0.16
HSL	354°, 100%, 42%
HSV	354°, 100%, 84%
XYZ	27.5776, 14.2003, 1.9961
YIQ	66.0810, 120.2070, 51.6870

Conversions

Conversions Part 2

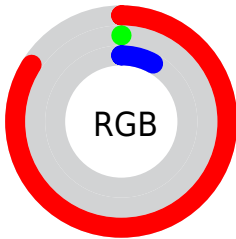
Format	Color
RYB	213, 0, 21
Decimal	13959189
CIELab	44.52, 70.15, 51.61
CIELCh	45, 87.092, 36.339
Yxy	14.2003, 0.6300, 0.3244
Android (android.graphics.Color)	4292149269 (0xFFD50015)
YUV	66.0810, -22.2249, 128.8480
Hunter-Lab	37.6833, 64.6854, 23.2377

Details

The Yxy color **14.2003, 0.6300, 0.3244** 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 **51.3992, 0.2334, 0.3600**, and the grayscale version is **5.4825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4937, 0.5522, 0.3444**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.2014, 0.6300, 0.3244**, and if you desaturate by 10%, it is **14.8492, 0.6062, 0.3203**.

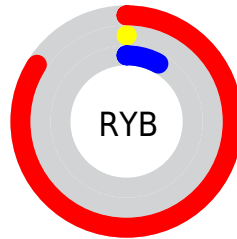
Distribution



Red (84%)

Green (0%)

Blue (8%)



Red (84%)

Yellow (0%)

Blue (8%)

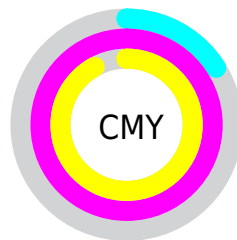


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (16%)



Cyan (16%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2003, 0.6300, 0.3244 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 14.2003, 0.6300, 0.3244 by changing the saturation by 10% instead.


 14.2003, 0.6300,
0.3244


 14.2003, 0.6300,
0.3244


218.4734, 0.4533,
0.3505


 8.2601, 0.6731,
0.3064


 33.4440, 0.5652,
0.3423


 4.2618, 0.7236,
0.2764

 47.5163, 0.5406,
0.3463

 1.8211, 0.7741,
0.2259

 65.0681, 0.5199,
0.3487

 0.5003, 0.8584,
0.1416

 86.4838, 0.5023,
0.3500

 0.0000, 1.0000,
0.0000

 112.1478, 0.4873,
0.3506

 0.0000, 0.0000,
0.0000


 142.4444, 0.4744,


0.3508


 177.7582, 0.4631,
0.3507


 14.2003, 0.6300,
0.3244


 14.2003, 0.6300,
0.3244


 14.2014, 0.6300,
0.3244

 14.8492, 0.6062,
0.3203

 16.1660, 0.5700,
0.3168

 18.3617, 0.5262,
0.3151

 21.5543, 0.4811,
0.3152

 25.8438, 0.4393,
0.3166

■ 31.3179, 0.4031,
0.3188

■ 38.0556, 0.3729,
0.3214

■ 46.1288, 0.3483,
0.3240

■ 55.6043, 0.3286,
0.3266

Harmonies

Analogous

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



14.2003, 0.5530, 0.2463



14.2003, 0.6300, 0.3244



14.2003, 0.5809, 0.4191

Triad

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



14.2003, 0.6300, 0.3244



14.2003, 0.1941, 0.6104



14.2003, 0.1214, 0.1146

Complementary

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



14.2003, 0.6300, 0.3244



51.3992, 0.2334, 0.3600

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.



14.2003, 0.0812, 0.1316



14.2003, 0.6300, 0.3244



14.2003, 0.1049, 0.3701

Square

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



14.2003, 0.6300, 0.3244



14.2003, 0.3221, 0.6566



14.2003, 0.0742, 0.1997



14.2003, 0.2114, 0.1294

Rectangle

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



14.2003, 0.6300, 0.3244



14.2003, 0.5031, 0.4969



14.2003, 0.0742, 0.1997



14.2003, 0.1036, 0.1163

Sweetspot

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



14.2014, 0.6300, 0.3244



56.8468, 0.3737, 0.3213



15.9727, 0.2956, 0.1402



11.1988, 0.3859, 0.3202



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.



14.2014, 0.6300, 0.3244



21.3307, 0.6313, 0.3251



20.6763, 0.5712, 0.3846



12.4405, 0.3276, 0.3267



8.6810, 0.6279, 0.3233



0.5305, 0.5960, 0.3057

Inverse Universe

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



14.2014, 0.6300, 0.3244



21.3307, 0.6313, 0.3251



20.1919, 0.1864, 0.1910



12.4405, 0.3276, 0.3267



8.6810, 0.6279, 0.3233



0.5305, 0.5960, 0.3057

Previews

White Background



This preview shows how the Yxy color 14.2003, 0.6300, 0.3244 looks on a white background.

Color Contrast Check

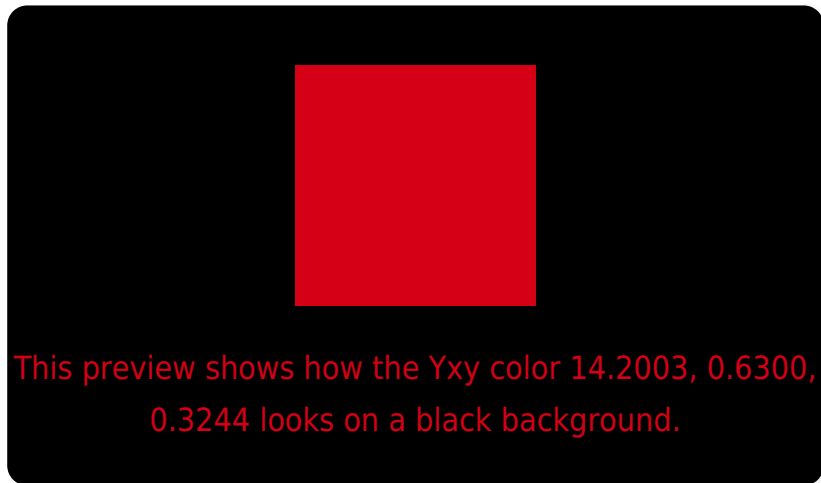
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2003, 0.6300, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 14.2003, 0.6300, 0.3244.



This preview shows how white text looks on a background with the Yxy color 14.2003, 0.6300, 0.3244.

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

14.2003, 0.6300, 0.3244

Protanopia

14.8714, 0.4147, 0.4572

Deuteranopia

14.7370, 0.4702, 0.4649



Tritanopia

14.4974, 0.6335, 0.3352

Trichromacy



Original Color

14.2003, 0.6300, 0.3244

Protanomaly

11.2361, 0.5288, 0.3778

Deuteranomaly

11.6906, 0.5652, 0.3831

Tritanomaly

14.3024, 0.6330, 0.3311

Monochromacy



Original Color

14.2003, 0.6300, 0.3244

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.8082, 0.4875, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2003, 0.6300, 0.3244 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(213, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 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(213, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 21) }
```

Border

The CSS property to change the border of an element to Yxy 14.2003, 0.6300, 0.3244 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(213, 0, 21) }
```

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

```
.border{ border-color:rgb(213, 0, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 0, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(213, 0, 21)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.2003, 0.6300, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 21) }
```

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

```
.background{ background-color: rgb(213, 0,  
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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