

Converting Colors

$Y_{xy}(14.0177, 0.6251, 0.3173)$

Have a look what the booklet for
Yxy(14.0177, 0.6251, 0.3173)
contains.

Yxy(14.2451, 0.6219, 0.3200)	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>	29

Color

Yxy(14.2451, 0.6219, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	D5001F
RGB	213, 0, 31
RGB Percent	84%, 0%, 12%
CMY	0.1648, 0.9994, 0.8785
CMYK	0.00, 1.00, 0.85, 0.16
HSL	351°, 100%, 42%
HSV	351°, 100%, 84%
XYZ	27.6845, 14.2451, 2.5864
YIQ	67.2210, 116.9970, 54.7970

Conversions

Conversions Part 2

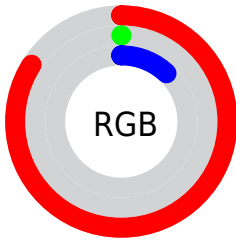
Format	Color
R_{YB}	213, 0, 31
Decimal	13959199
CIE Lab	44.58, 70.31, 46.96
CIE LCh	45, 84.548, 33.740
Yxy	14.2451, 0.6219, 0.3200
Android (android.graphics.Color)	4292149279 (0xFFD5001F)
YUV	67.2210, -17.8570, 127.8482
Hunter-Lab	37.7427, 64.8810, 22.3569

Details

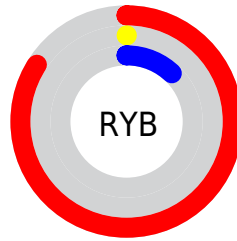
The Yxy color **14.2451, 0.6219, 0.3200** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **50.9647, 0.2377, 0.3756**, and the grayscale version is **5.6793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7753, 0.5420, 0.3386**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.2419, 0.6221, 0.3200**, and if you desaturate by 10%, it is **14.9205, 0.5951, 0.3140**.

Distribution



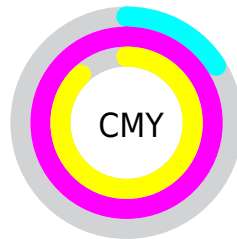
- Red (84%)
- Green (0%)
- Blue (12%)



- Red (84%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2451, 0.6219, 0.3200 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 14.2451, 0.6219, 0.3200 by changing the saturation by 10% instead.


 14.2451, 0.6219,
0.3200


 14.2451, 0.6219,
0.3200


218.7503, 0.4474,
0.3457


 8.2913, 0.6651,
0.3026


 33.5233, 0.5567,
0.3369


 4.2819, 0.7237,
0.2763

 47.6165, 0.5323,
0.3408

 1.8325, 0.7741,
0.2259

 65.1917, 0.5120,
0.3432

 0.5073, 0.8577,
0.1423

 86.6331, 0.4948,
0.3446


 0.0000, 1.0000,
0.0000


 112.3254, 0.4802,
0.3453


 0.0000, 0.0000,
0.0000


 142.6527, 0.4677,


0.3457


 177.9996, 0.4569,
0.3458


 14.2451, 0.6219,
0.3200


 14.2451, 0.6219,
0.3200


 14.2419, 0.6221,
0.3200

 14.9205, 0.5951,
0.3140

 16.2640, 0.5579,
0.3095

 18.4825, 0.5149,
0.3076

 21.6926, 0.4717,
0.3082

 25.9929, 0.4321,
0.3105

■ 31.4701, 0.3980,
0.3139

■ 38.2021, 0.3696,
0.3177

■ 46.2602, 0.3464,
0.3217

■ 55.7103, 0.3277,
0.3255

Harmonies

Analogous

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



14.2451, 0.5335, 0.2423



14.2451, 0.6219, 0.3200



14.2451, 0.5856, 0.4123

Triad

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



14.2451, 0.6219, 0.3200



14.2451, 0.2087, 0.6144



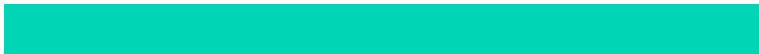
14.2451, 0.1198, 0.1184

Complementary

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



14.2451, 0.6219, 0.3200



50.9647, 0.2377, 0.3756

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.



14.2451, 0.0831, 0.1390



14.2451, 0.6219, 0.3200



14.2451, 0.1149, 0.3898

Square

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



14.2451, 0.6219, 0.3200



14.2451, 0.3369, 0.6424



14.2451, 0.0791, 0.2133



14.2451, 0.2038, 0.1305

Rectangle

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



14.2451, 0.6219, 0.3200



14.2451, 0.5133, 0.4867



14.2451, 0.0791, 0.2133



14.2451, 0.1034, 0.1212

Sweetspot

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



14.2460, 0.6219, 0.3200



56.9997, 0.3706, 0.3176



14.6377, 0.2829, 0.1333



11.2337, 0.3821, 0.3159



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.



14.2460, 0.6219, 0.3200



21.3932, 0.6237, 0.3210



19.1285, 0.5848, 0.3738



12.4498, 0.3269, 0.3256



8.7102, 0.6194, 0.3186



0.5350, 0.5779, 0.2957

Inverse Universe

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



14.2460, 0.6219, 0.3200



21.3932, 0.6237, 0.3210



23.1236, 0.1914, 0.2091



12.4498, 0.3269, 0.3256



8.7102, 0.6194, 0.3186



0.5350, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 14.2451, 0.6219, 0.3200 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 14.2451, 0.6219, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 14.2451, 0.6219, 0.3200.



This preview shows how white text looks on a background with the Yxy color 14.2451, 0.6219, 0.3200.

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

14.2451, 0.6219, 0.3200

Protanopia

14.8861, 0.4021, 0.4411

Tritanopia

14.4628, 0.6340, 0.3348

Trichromacy



Original Color

14.2451, 0.6219, 0.3200

Protanomaly

11.2104, 0.5129, 0.3658

Tritanomaly

14.2842, 0.6321, 0.3302

Monochromacy



Original Color

14.2451, 0.6219, 0.3200

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.9872, 0.4776, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2451, 0.6219, 0.3200 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 31) }
```

Border

The CSS property to change the border of an element to Yxy 14.2451, 0.6219, 0.3200 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, 31) }
```

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

```
.border{ border-color:rgb(213, 0, 31) }
```

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, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(213, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to Yxy 14.2451, 0.6219, 0.3200 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, 31) }
```

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

```
.background{ background-color: rgb(213, 0,  
31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor