

Converting Colors

$Y_{xy}(13.5876, 0.5899, 0.3114)$

Have a look what the booklet for
Yxy(13.5876, 0.5899, 0.3114)
contains.

Yxy(13.6040, 0.5900, 0.3118)	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(13.6040, 0.5900, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	CC1532
RGB	204, 21, 50
RGB Percent	80%, 8%, 20%
CMY	0.2001, 0.9173, 0.8040
CMYK	0.00, 0.90, 0.75, 0.20
HSL	351°, 81%, 44%
HSV	351°, 90%, 80%
XYZ	25.7420, 13.6040, 4.2845
YIQ	79.0230, 99.7590, 47.8150

Conversions

Conversions Part 2

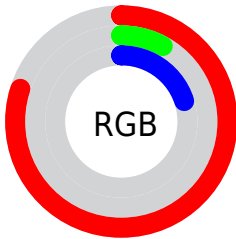
Format	Color
RYB	204, 21, 50
Decimal	13374770
CIELab	43.66, 66.34, 34.83
CIElCh	44, 74.934, 27.702
Yxy	13.6040, 0.5900, 0.3118
Android (android.graphics.Color)	4291564850 (0xFFCC1532)
YUV	79.0230, -14.3083, 109.6048
Hunter-Lab	36.8836, 60.0334, 18.9312

Details

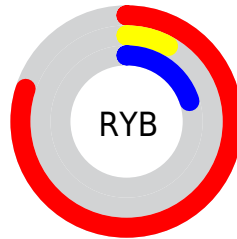
The Yxy color **13.6040, 0.5900, 0.3118** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.4369, 0.2389, 0.3742**, and the grayscale version is **7.8467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7588, 0.5170, 0.3261**, and **5.6759, 0.6339, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **12.9587, 0.6181, 0.3181**, and if you desaturate by 10%, it is **14.8622, 0.5524, 0.3072**.

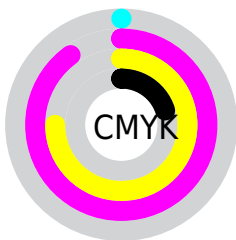
Distribution



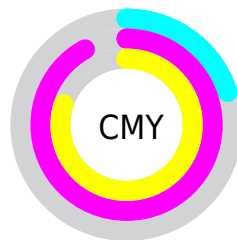
- Red (80%)
- Green (8%)
- Blue (20%)



- Red (80%)
- Yellow (8%)
- Blue (20%)



- Cyan (0%)
- Magenta (90%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (92%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6040, 0.5900, 0.3118 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 13.6040, 0.5900, 0.3118 by changing the saturation by 10% instead.


 13.6040, 0.5900,
0.3118


 13.6040, 0.5900,
0.3118


214.7532, 0.4279,
0.3356


 7.8458, 0.6352,
0.2973

 32.3847, 0.5264,
0.3260


 3.9964, 0.6972,
0.2742

 46.1760, 0.5037,
0.3295


 1.6716, 0.7691,
0.2309

 63.4137, 0.4852,
0.3318

 0.4051, 0.8662,
0.1338

 84.4823, 0.4697,
0.3333

 0.0000, 1.0000,
0.0000

 109.7662, 0.4568,
0.3343

 0.0000, 0.0000,
0.0000

 139.6497, 0.4457,

0.3349

174.5172, 0.4362,
0.3353

■ 13.6040, 0.5900,
0.3118

■ 13.6040, 0.5900,
0.3118

■ 12.9587, 0.6181,
0.3181

■ 14.8622, 0.5524,
0.3072

■ 12.9404, 0.6189,
0.3183

■ 16.9136, 0.5098,
0.3054

■ 19.8628, 0.4674,
0.3063

■ 23.7977, 0.4287,
0.3089

■ 28.7958, 0.3955,
0.3127

■ 34.9266, 0.3678,
0.3169

■ 42.2541, 0.3452,
0.3211

■ 50.8372, 0.3270,
0.3253

■ 60.7310, 0.3123,
0.3291

Harmonies

Analogous

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



13.6040, 0.4833, 0.2362



13.6040, 0.5900, 0.3118



13.6040, 0.5802, 0.3955

Triad

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



13.6040, 0.5900, 0.3118



13.6040, 0.2459, 0.6042



13.6040, 0.1218, 0.1327

Complementary

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



13.6040, 0.5900, 0.3118



46.4369, 0.2389, 0.3742

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.



13.6040, 0.0928, 0.1622



13.6040, 0.5900, 0.3118



13.6040, 0.1450, 0.4283

Square

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



13.6040, 0.5900, 0.3118



13.6040, 0.3700, 0.6024



13.6040, 0.0971, 0.2500



13.6040, 0.1922, 0.1382

Rectangle

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



13.6040, 0.5900, 0.3118



13.6040, 0.5298, 0.4653



13.6040, 0.0971, 0.2500



13.6040, 0.1082, 0.1380

Sweetspot

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



13.6049, 0.5900, 0.3118



60.4734, 0.3622, 0.3178



13.8401, 0.2833, 0.1375



12.1113, 0.3707, 0.3164



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.



13.6049, 0.5900, 0.3118



21.4151, 0.6212, 0.3196



18.9326, 0.5625, 0.3796



11.2421, 0.3266, 0.3254



8.1554, 0.6162, 0.3168



0.4301, 0.5672, 0.2898

Inverse Universe

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



13.6049, 0.5900, 0.3118



21.4151, 0.6212, 0.3196



24.1702, 0.1987, 0.2283



11.2421, 0.3266, 0.3254



8.1554, 0.6162, 0.3168



0.4301, 0.5672, 0.2898

Previews

White Background



This preview shows how the Yxy color 13.6040, 0.5900, 0.3118 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 13.6040, 0.5900, 0.3118 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 13.6040, 0.5900, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 13.6040, 0.5900, 0.3118.



This preview shows how white text looks on a background with the Yxy color 13.6040, 0.5900, 0.3118.

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

13.6040, 0.5900, 0.3118

Protanopia

13.9058, 0.3673, 0.3930

Deuteranopia

13.8094, 0.4438, 0.4372



Tritanopia

13.5930, 0.6154, 0.3319

Trichromacy



Original Color

13.6040, 0.5900, 0.3118

Protanomaly

11.3902, 0.4617, 0.3447

Deuteranomaly

11.8417, 0.5177, 0.3698

Tritanomaly

13.5016, 0.6089, 0.3256

Monochromacy



Original Color

13.6040, 0.5900, 0.3118

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.7286, 0.4350, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6040, 0.5900, 0.3118 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(204, 21, 50)` looks like.

```
.text, #text, p{  
    color:rgb(204, 21, 50)  
}
```

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(204, 21, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 21, 50) }
```

Border

The CSS property to change the border of an element to Yxy 13.6040, 0.5900, 0.3118 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(204, 21, 50) }
```

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

```
.border{ border-color:rgb(204, 21, 50) }
```

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

Here you see how a box with a 4 pixel rgb(204, 21, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 21, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 21, 50);  
box-shadow:4px 4px 4px 4px rgb(204, 21,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6040, 0.5900, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 21, 50) }
```

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

```
.background{ background-color: rgb(204, 21,  
50) }
```

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