

Converting Colors

$Y_{xy}(13.8679, 0.5538, 0.2995)$

Have a look what the booklet for
Yxy(13.8679, 0.5538, 0.2995)
contains.

Yxy(13.8679, 0.5538, 0.2995)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8679, 0.5538, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	C92044
RGB	201, 32, 68
RGB Percent	79%, 13%, 27%
CMY	0.2118, 0.8742, 0.7334
CMYK	0.00, 0.84, 0.66, 0.21
HSL	347°, 72%, 46%
HSV	347°, 84%, 79%
XYZ	25.6429, 13.8679, 6.7927
YIQ	86.6350, 89.1680, 47.0240

Conversions

Conversions Part 2

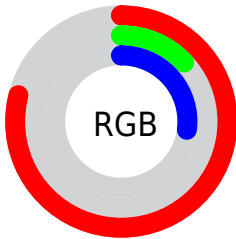
Format	Color
RYB	201, 32, 68
Decimal	13180996
CIELab	44.04, 64.28, 24.20
CIELCh	44, 68.681, 20.632
Yxy	13.8679, 0.5538, 0.2995
Android (android.graphics.Color)	4291371076 (0xFFC92044)
YUV	86.6350, -9.1871, 100.2981
Hunter-Lab	37.2396, 57.7442, 15.2529

Details

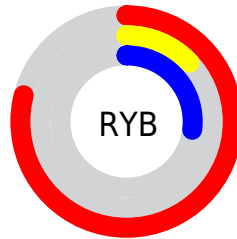
The Yxy color **13.8679, 0.5538, 0.2995** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **44.7902, 0.2441, 0.3866**, and the grayscale version is **9.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0703, 0.4882, 0.3117**, and **5.5635, 0.6060, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **12.9263, 0.5883, 0.3062**, and if you desaturate by 10%, it is **15.5230, 0.5139, 0.2965**.

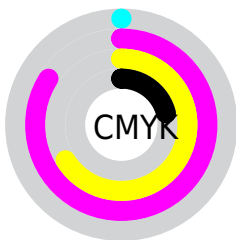
Distribution



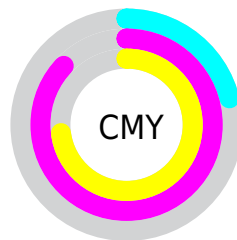
- Red (79%)
- Green (13%)
- Blue (27%)



- Red (79%)
- Yellow (13%)
- Blue (27%)



- Cyan (0%)
- Magenta (84%)
- Yellow (66%)
- Black (21%)




- Cyan (21%)
- Magenta (87%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8679, 0.5538, 0.2995 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 13.8679, 0.5538, 0.2995 by changing the saturation by 10% instead.


 13.8679, 0.5538,
0.2995


 13.8679, 0.5538,
0.2995


216.4075, 0.4109,
0.3253


 8.0288, 0.5966,
0.2870


 32.8545, 0.4963,
0.3128


 4.1134, 0.6543,
0.2663

 46.7707, 0.4763,
0.3164


 1.7372, 0.7609,
0.2389

 64.1482, 0.4601,
0.3191

 0.4476, 0.8532,
0.1468

 85.3713, 0.4468,
0.3211

 0.0000, 1.0000,
0.0000

 110.8244, 0.4356,
0.3225

 0.0000, 0.0000,
0.0000

 140.8918, 0.4261,

0.3237

175.9581, 0.4179,
0.3246

■ 13.8679, 0.5538,
0.2995

■ 13.8679, 0.5538,
0.2995

■ 12.9263, 0.5883,
0.3062

■ 15.5230, 0.5139,
0.2965


■ 12.5870, 0.6053,
0.3108


■ 17.9972, 0.4734,
0.2969


■ 21.3810, 0.4357,
0.2999


■ 25.7522, 0.4027,
0.3046

■ 31.1801, 0.3748,
0.3101

 37.7280, 0.3518,
0.3159

 45.4539, 0.3331,
0.3216

 54.4121, 0.3180,
0.3269

 64.6533, 0.3057,
0.3319

Harmonies

Analogous

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



13.8679, 0.4349, 0.2278



13.8679, 0.5538, 0.2995



13.8679, 0.5738, 0.3786

Triad

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



13.8679, 0.5538, 0.2995



13.8679, 0.2826, 0.5921



13.8679, 0.1231, 0.1478

Complementary

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



13.8679, 0.5538, 0.2995



44.7902, 0.2441, 0.3866

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.



13.8679, 0.1028, 0.1881



13.8679, 0.5538, 0.2995



13.8679, 0.1774, 0.4640

Square

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



13.8679, 0.5538, 0.2995



13.8679, 0.4007, 0.5660



13.8679, 0.1170, 0.2900



13.8679, 0.1806, 0.1454

Rectangle

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



13.8679, 0.5538, 0.2995



13.8679, 0.5368, 0.4385



13.8679, 0.1170, 0.2900



13.8679, 0.1126, 0.1562

Sweetspot

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



13.8687, 0.5538, 0.2995



63.0292, 0.3546, 0.3151



13.1863, 0.2754, 0.1373



12.6072, 0.3624, 0.3131



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.



13.8687, 0.5538, 0.2995



21.5285, 0.6083, 0.3124



18.2462, 0.5562, 0.3730



10.6732, 0.3257, 0.3241



7.9273, 0.6020, 0.3090



0.3863, 0.5429, 0.2764

Inverse Universe

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



13.8687, 0.5538, 0.2995



21.5285, 0.6083, 0.3124



27.3467, 0.2064, 0.2504



10.6732, 0.3257, 0.3241



7.9273, 0.6020, 0.3090



0.3863, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 13.8679, 0.5538, 0.2995 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 13.8679, 0.5538, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

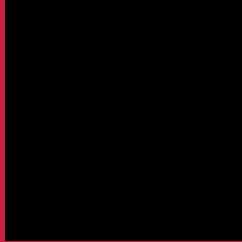
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8679, 0.5538, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 13.8679, 0.5538, 0.2995.



This preview shows how white text looks on a background with the Yxy color 13.8679, 0.5538, 0.2995.

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

13.8679, 0.5538, 0.2995

Protanopia

14.1989, 0.3304, 0.3483

Deuteranopia

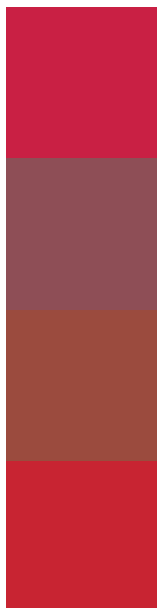
14.0193, 0.4147, 0.4080



Tritanopia

13.8769, 0.5921, 0.3298

Trichromacy



Original Color

13.8679, 0.5538, 0.2995

Protanomaly

11.8714, 0.4126, 0.3148

Deuteranomaly

12.3485, 0.4788, 0.3498

Tritanomaly

13.7714, 0.5799, 0.3191

Monochromacy



Original Color

13.8679, 0.5538, 0.2995

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.1827, 0.4085, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8679, 0.5538, 0.2995 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, 32, 68)` looks like.

```
.text, #text, p{  
    color:rgb(201, 32, 68)  
}
```

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, 32, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 32, 68) }
```

Border

The CSS property to change the border of an element to Yxy 13.8679, 0.5538, 0.2995 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, 32, 68) }
```

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

```
.border{ border-color:rgb(201, 32, 68) }
```

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

Here you see how a box with a 4 pixel rgb(201, 32, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 32, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 32, 68);  
box-shadow:4px 4px 4px 4px rgb(201, 32,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8679, 0.5538, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 32, 68) }
```

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

```
.background{ background-color: rgb(201, 32,  
68) }
```

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