

Converting Colors

$Y_{xy}(13.2585, 0.5581, 0.2973)$

Have a look what the booklet for
Yxy(13.2585, 0.5581, 0.2973)
contains.

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Color

Yxy(13.2743, 0.5586, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	C71A42
RGB	199, 26, 66
RGB Percent	78%, 10%, 26%
CMY	0.2196, 0.8981, 0.7411
CMYK	0.00, 0.87, 0.67, 0.22
HSL	346°, 77%, 44%
HSV	346°, 87%, 78%
XYZ	24.9077, 13.2743, 6.4075
YIQ	82.2870, 90.2680, 49.1160

Conversions

Conversions Part 2

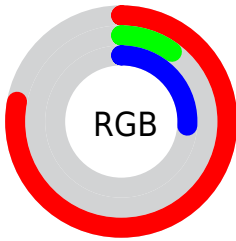
Format	Color
RYB	199, 26, 66
Decimal	13048386
CIELab	43.17, 64.91, 24.23
CIElCh	43, 69.281, 20.472
Yxy	13.2743, 0.5586, 0.2977
Android (android.graphics.Color)	4291238466 (0xFFC71A42)
YUV	82.2870, -8.0295, 102.3573
Hunter-Lab	36.4339, 58.2705, 15.0766

Details

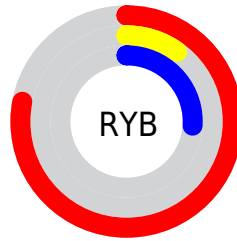
The Yxy color **13.2743, 0.5586, 0.2977** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **43.5712, 0.2454, 0.3945**, and the grayscale version is **8.5015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4803, 0.4926, 0.3110**, and **5.3843, 0.6088, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **12.5118, 0.5911, 0.3054**, and if you desaturate by 10%, it is **14.6877, 0.5202, 0.2936**.

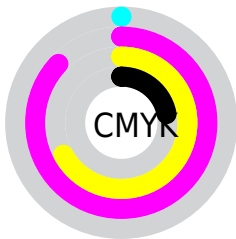
Distribution



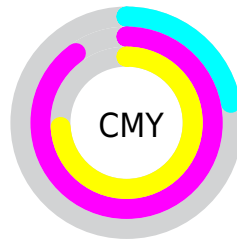
- Red (78%)
- Green (10%)
- Blue (26%)



- Red (78%)
- Yellow (10%)
- Blue (26%)



- Cyan (0%)
- Magenta (87%)
- Yellow (67%)
- Black (22%)





- Cyan (22%)
- Magenta (90%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2743, 0.5586, 0.2977 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 13.2743, 0.5586, 0.2977 by changing the saturation by 10% instead.


 13.2743, 0.5586,
0.2977


 13.2743, 0.5586,
0.2977


212.6682, 0.4121,
0.3249


 7.6177, 0.6027,
0.2845


 31.7957, 0.4995,
0.3117


 3.8513, 0.6621,
0.2625

 45.4293, 0.4790,
0.3156

 1.5907, 0.7681,
0.2319

 62.4907, 0.4624,
0.3184

 0.3513, 0.8742,
0.1258

 83.3642, 0.4488,
0.3204

 0.0000, 1.0000,
0.0000

 108.4344, 0.4374,
0.3220

 0.0000, 0.0000,
0.0000

 138.0855, 0.4277,

0.3232

172.7020, 0.4193,
0.3242

■ 13.2743, 0.5586,
0.2977

■ 13.2743, 0.5586,
0.2977

■ 12.5118, 0.5911,
0.3054

■ 14.6877, 0.5202,
0.2936

■ 12.3404, 0.5998,
0.3078

■ 16.8716, 0.4804,
0.2933

■ 19.9182, 0.4426,
0.2961

■ 23.9062, 0.4091,
0.3008

■ 28.9050, 0.3806,
0.3067

■ 34.9778, 0.3569,
0.3129

■ 42.1825, 0.3376,
0.3191

■ 50.5727, 0.3218,
0.3251

■ 60.1988, 0.3091,
0.3307

Harmonies

Analogous

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



13.2743, 0.4367, 0.2254



13.2743, 0.5586, 0.2977



13.2743, 0.5784, 0.3772

Triad

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



13.2743, 0.5586, 0.2977



13.2743, 0.2813, 0.5992



13.2743, 0.1201, 0.1450

Complementary

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



13.2743, 0.5586, 0.2977



43.5712, 0.2454, 0.3945

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.



13.2743, 0.0998, 0.1855



13.2743, 0.5586, 0.2977



13.2743, 0.1748, 0.4685

Square

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



13.2743, 0.5586, 0.2977



13.2743, 0.4015, 0.5699



13.2743, 0.1139, 0.2892



13.2743, 0.1778, 0.1425

Rectangle

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



13.2743, 0.5586, 0.2977



13.2743, 0.5406, 0.4383



13.2743, 0.1139, 0.2892



13.2743, 0.1096, 0.1534

Sweetspot

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



13.2751, 0.5586, 0.2977



61.8878, 0.3557, 0.3133



12.1962, 0.2702, 0.1323



12.3912, 0.3634, 0.3111



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.



13.2751, 0.5586, 0.2977



21.5758, 0.6031, 0.3096



16.8692, 0.5692, 0.3684



10.6765, 0.3254, 0.3237



7.9461, 0.5966, 0.3060



0.3878, 0.5361, 0.2727

Inverse Universe

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



13.2751, 0.5586, 0.2977



21.5758, 0.6031, 0.3096



27.0831, 0.2060, 0.2524



10.6765, 0.3254, 0.3237



7.9461, 0.5966, 0.3060



0.3878, 0.5361, 0.2727

Previews

White Background



This preview shows how the Yxy color 13.2743, 0.5586, 0.2977 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 13.2743, 0.5586, 0.2977 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 13.2743, 0.5586, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 13.2743, 0.5586, 0.2977.



This preview shows how white text looks on a background with the Yxy color 13.2743, 0.5586, 0.2977.

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

13.2743, 0.5586, 0.2977

Protanopia

13.6525, 0.3293, 0.3464

Deuteranopia

13.4664, 0.4164, 0.4090



Tritanopia

13.3233, 0.5998, 0.3305

Trichromacy



Original Color

13.2743, 0.5586, 0.2977

Protanomaly

11.2477, 0.4153, 0.3129

Deuteranomaly

11.7333, 0.4830, 0.3483

Tritanomaly

13.2360, 0.5870, 0.3198

Monochromacy



Original Color

13.2743, 0.5586, 0.2977

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3270, 0.4153, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2743, 0.5586, 0.2977 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(199, 26, 66)` looks like.

```
.text, #text, p{  
  color:rgb(199, 26, 66)  
}
```

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(199, 26, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 26, 66) }
```

Border

The CSS property to change the border of an element to Yxy 13.2743, 0.5586, 0.2977 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(199, 26, 66) }
```

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

```
.border{ border-color:rgb(199, 26, 66) }
```

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

Here you see how a box with a 4 pixel rgb(199, 26, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 26, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 26, 66);  
box-shadow:4px 4px 4px 4px rgb(199, 26,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2743, 0.5586, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 26, 66) }
```

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

```
.background{ background-color: rgb(199, 26,  
66) }
```

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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