

Converting Colors

$Y_{xy}(13.2482, 0.5667, 0.2896)$

Have a look what the booklet for
Yxy(13.2482, 0.5667, 0.2896)
contains.

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Color

Yxy(13.2426, 0.5676, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	CC0043
RGB	204, 0, 67
RGB Percent	80%, 0%, 26%
CMY	0.1999, 1.0000, 0.7372
CMYK	0.00, 1.00, 0.67, 0.20
HSL	340°, 100%, 40%
HSV	340°, 100%, 80%
XYZ	25.9190, 13.2426, 6.5026
YIQ	68.6340, 100.0770, 64.0850

Conversions

Conversions Part 2

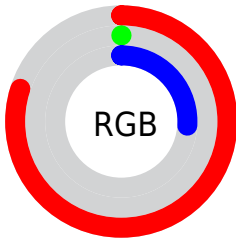
Format	Color
R_{YB}	204, 0, 67
Decimal	13369411
CIE _{Lab}	43.13, 69.38, 23.77
CIE _{LCh}	43, 73.339, 18.909
Yxy	13.2426, 0.5676, 0.2900
Android (android.graphics.Color)	4291559491 (0xFFCC0043)
YUV	68.6340, -0.8056, 118.7160
Hunter-Lab	36.3904, 63.4530, 14.8788

Details

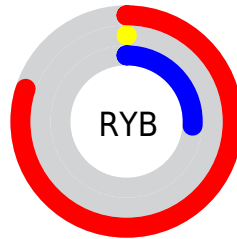
The Yxy color **13.2426, 0.5676, 0.2900** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **45.0002, 0.2558, 0.4408**, and the grayscale version is **5.8786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1534, 0.4957, 0.3032**, and **5.7329, 0.6088, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **13.2453, 0.5676, 0.2900**, and if you desaturate by 10%, it is **13.9443, 0.5371, 0.2811**.

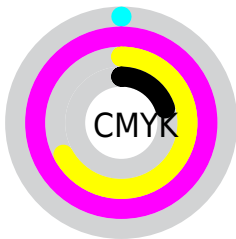
Distribution



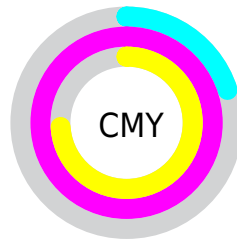
- Red (80%)
- Green (0%)
- Blue (26%)



- Red (80%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2426, 0.5676, 0.2900 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 13.2426, 0.5676, 0.2900 by changing the saturation by 10% instead.


 13.2426, 0.5676,
0.2900


 13.2426, 0.5676,
0.2900


212.4667, 0.4161,
0.3219


 7.5958, 0.6128,
0.2755


 31.7389, 0.5066,
0.3058


 3.8374, 0.6734,
0.2520

 45.3573, 0.4855,
0.3104


 1.5830, 0.7806,
0.2194

 62.4016, 0.4683,
0.3137

 0.3461, 0.8849,
0.1151

 83.2563, 0.4541,
0.3162

 0.0000, 1.0000,
0.0000

 108.3058, 0.4423,
0.3182

 0.0000, 0.0000,
0.0000

 137.9344, 0.4322,

0.3197

172.5265, 0.4236,
0.3209

■ 13.2426, 0.5676,
0.2900

■ 13.2426, 0.5676,
0.2900

■ 13.2453, 0.5676,
0.2900

■ 13.9443, 0.5371,
0.2811

■ 15.2278, 0.5031,
0.2762

■ 17.2844, 0.4681,
0.2761

■ 20.2159, 0.4348,
0.2800

■ 24.1081, 0.4049,
0.2865

■ 29.0368, 0.3791,
0.2946

■ 35.0698, 0.3574,
0.3034

■ 42.2693, 0.3394,
0.3123

■ 50.6929, 0.3247,
0.3209

Harmonies

Analogous

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



13.2426, 0.4347, 0.2169



13.2426, 0.5676, 0.2900



13.2426, 0.5913, 0.3700

Triad

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



13.2426, 0.5676, 0.2900



13.2426, 0.2825, 0.6188



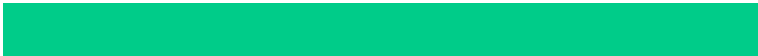
13.2426, 0.1112, 0.1387

Complementary

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



13.2426, 0.5676, 0.2900



45.0002, 0.2558, 0.4408

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.



13.2426, 0.0921, 0.1818



13.2426, 0.5676, 0.2900



13.2426, 0.1715, 0.4884

Square

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



13.2426, 0.5676, 0.2900



13.2426, 0.4084, 0.5764



13.2426, 0.1075, 0.2934



13.2426, 0.1676, 0.1349

Rectangle

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



13.2426, 0.5676, 0.2900



13.2426, 0.5533, 0.4331



13.2426, 0.1075, 0.2934



13.2426, 0.1012, 0.1478

Sweetspot

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



13.2453, 0.5676, 0.2900



57.6420, 0.3581, 0.3031



9.5957, 0.2378, 0.1084



11.3820, 0.3670, 0.2993



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.



13.2453, 0.5676, 0.2900



21.8964, 0.5708, 0.2918



13.9840, 0.6242, 0.3426



11.2734, 0.3239, 0.3214



8.3505, 0.5639, 0.2880



0.4448, 0.5081, 0.2573

Inverse Universe

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



13.2453, 0.5676, 0.2900



21.8964, 0.5708, 0.2918



33.1154, 0.2096, 0.2746



11.2734, 0.3239, 0.3214



8.3505, 0.5639, 0.2880



0.4448, 0.5081, 0.2573

Previews

White Background



This preview shows how the Yxy color 13.2426, 0.5676, 0.2900 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 13.2426, 0.5676, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

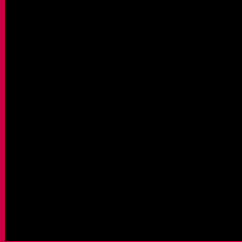
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2426, 0.5676, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 13.2426, 0.5676, 0.2900.



This preview shows how white text looks on a background with the Yxy color 13.2426, 0.5676, 0.2900.

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

13.2426, 0.5676, 0.2900

Protanopia

13.9273, 0.3237, 0.3398

Deuteranopia

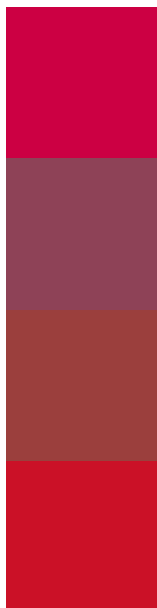
13.7412, 0.4155, 0.4085



Tritanopia

13.5422, 0.6168, 0.3318

Trichromacy



Original Color

13.2426, 0.5676, 0.2900

Protanomaly

10.3353, 0.4189, 0.2920

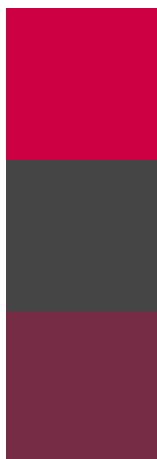
Deuteranomaly

10.8605, 0.4941, 0.3325

Tritanomaly

13.2439, 0.6058, 0.3185

Monochromacy



Original Color

13.2426, 0.5676, 0.2900

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.0703, 0.4353, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2426, 0.5676, 0.2900 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, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 67)  
}
```

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, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.2426, 0.5676, 0.2900 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, 0, 67) }
```

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

```
.border{ border-color:rgb(204, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2426, 0.5676, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 67) }
```

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

```
.background{ background-color: rgb(204, 0,  
67) }
```

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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