

Converting Colors

$Y_{xy}(13.7966, 0.5351, 0.2985)$

Have a look what the booklet for
Yxy(13.7966, 0.5351, 0.2985)
contains.

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Color

Yxy(13.8027, 0.5356, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	C42949
RGB	196, 41, 73
RGB Percent	77%, 16%, 29%
CMY	0.2314, 0.8391, 0.7137
CMYK	0.00, 0.79, 0.63, 0.23
HSL	348°, 65%, 46%
HSV	348°, 79%, 77%
XYZ	24.7580, 13.8027, 7.6641
YIQ	90.9930, 82.1080, 42.8120

Conversions

Conversions Part 2

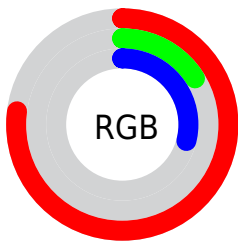
Format	Color
RYB	196, 41, 73
Decimal	12855625
CIELab	43.95, 60.92, 20.78
CIELCh	44, 64.370, 18.836
Yxy	13.8027, 0.5356, 0.2986
Android (android.graphics.Color)	4291045705 (0xFFC42949)
YUV	90.9930, -8.8705, 92.0911
Hunter-Lab	37.1520, 53.9358, 13.7755

Details

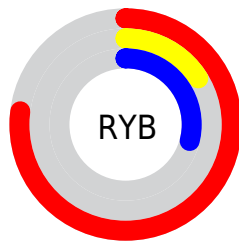
The Yxy color **13.8027, 0.5356, 0.2986** is a dark color, and the websafe version is hex **990033**. The color can be described as dark muted red. A complement of this color would be **42.6263, 0.2445, 0.3809**, and the grayscale version is **10.4711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1432, 0.4788, 0.3112**, and **5.2446, 0.5955, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **12.5864, 0.5735, 0.3034**, and if you desaturate by 10%, it is **15.7467, 0.4947, 0.2974**.

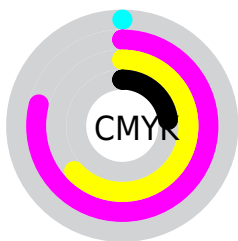
Distribution



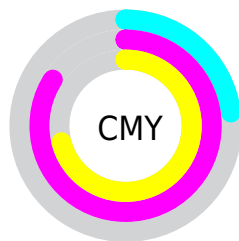
- Red (77%)
- Green (16%)
- Blue (29%)



- Red (77%)
- Yellow (16%)
- Blue (29%)



- Cyan (0%)
- Magenta (79%)
- Yellow (63%)
- Black (23%)




- Cyan (23%)
- Magenta (84%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8027, 0.5356, 0.2986 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 13.8027, 0.5356, 0.2986 by changing the saturation by 10% instead.


 13.8027, 0.5356,
0.2986


 13.8027, 0.5356,
0.2986


215.9999, 0.4028,
0.3234


 7.9836, 0.5763,
0.2871


 32.7385, 0.4817,
0.3110


 4.0844, 0.6324,
0.2682

 46.6240, 0.4631,
0.3145


 1.7209, 0.7280,
0.2402

 63.9671, 0.4481,
0.3171

 0.4371, 0.8465,
0.1535

 85.1522, 0.4358,
0.3190

 0.0000, 1.0000,
0.0000

 110.5636, 0.4255,
0.3205

 0.0000, 0.0000,
0.0000

 140.5857, 0.4168,

0.3217

175.6031, 0.4093,
0.3226

■ 13.8027, 0.5356,
0.2986

■ 13.8027, 0.5356,
0.2986

■ 12.5864, 0.5735,
0.3034

■ 15.7467, 0.4947,
0.2974

■ 11.9402, 0.6041,
0.3109

■ 18.5076, 0.4550,
0.2991

■ 11.8900, 0.6067,
0.3116

■ 22.1646, 0.4192,
0.3029

■ 26.7865, 0.3886,
0.3080

■ 32.4355, 0.3631,
0.3135

■ 39.1687, 0.3422,
0.3191

■ 47.0387, 0.3253,
0.3244

■ 56.0948, 0.3115,
0.3295

■ 66.3835, 0.3004,
0.3341

Harmonies

Analogous

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



13.8027, 0.4197, 0.2292



13.8027, 0.5356, 0.2986



13.8027, 0.5631, 0.3757

Triad

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



13.8027, 0.5356, 0.2986



13.8027, 0.2941, 0.5769



13.8027, 0.1286, 0.1569

Complementary

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



13.8027, 0.5356, 0.2986



42.6263, 0.2445, 0.3809

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.



13.8027, 0.1109, 0.1998



13.8027, 0.5356, 0.2986



13.8027, 0.1907, 0.4650

Square

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



13.8027, 0.5356, 0.2986



13.8027, 0.4073, 0.5511



13.8027, 0.1281, 0.3020



13.8027, 0.1824, 0.1522

Rectangle

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



13.8027, 0.5356, 0.2986



13.8027, 0.5326, 0.4327



13.8027, 0.1281, 0.3020



13.8027, 0.1191, 0.1662

Sweetspot

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



13.8035, 0.5356, 0.2986



64.2316, 0.3528, 0.3161



13.2982, 0.2784, 0.1438



12.8365, 0.3606, 0.3141



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.



13.8035, 0.5356, 0.2986



21.8974, 0.5968, 0.3092



18.3818, 0.5384, 0.3748



10.1111, 0.3257, 0.3243



7.6514, 0.6035, 0.3098



0.3408, 0.5411, 0.2755

Inverse Universe

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



13.8035, 0.5356, 0.2986



21.8974, 0.5968, 0.3092



26.9408, 0.2100, 0.2558



10.1111, 0.3257, 0.3243



7.6514, 0.6035, 0.3098



0.3408, 0.5411, 0.2755

Previews

White Background



This preview shows how the Yxy color 13.8027, 0.5356, 0.2986 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 13.8027, 0.5356, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

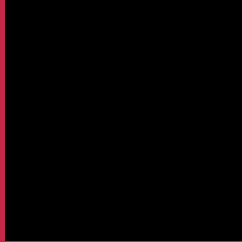
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8027, 0.5356, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 13.8027, 0.5356, 0.2986.



This preview shows how white text looks on a background with the Yxy color 13.8027, 0.5356, 0.2986.

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

13.8027, 0.5356, 0.2986

Protanopia

14.0089, 0.3238, 0.3376

Deuteranopia

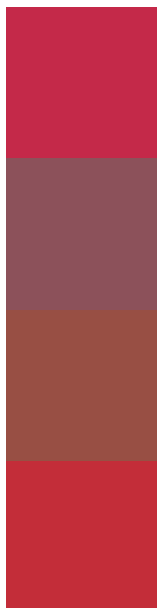
14.0080, 0.4049, 0.3977



Tritanopia

13.8485, 0.5713, 0.3289

Trichromacy



Original Color

13.8027, 0.5356, 0.2986

Protanomaly

12.1985, 0.4000, 0.3127

Deuteranomaly

12.6847, 0.4599, 0.3475

Tritanomaly

13.7743, 0.5596, 0.3188

Monochromacy



Original Color

13.8027, 0.5356, 0.2986

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.0723, 0.3980, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8027, 0.5356, 0.2986 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(196, 41, 73)` looks like.

```
.text, #text, p{  
    color:rgb(196, 41, 73)  
}
```

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(196, 41, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 41, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.8027, 0.5356, 0.2986 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(196, 41, 73) }
```

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

```
.border{ border-color:rgb(196, 41, 73) }
```

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

Here you see how a box with a 4 pixel rgb(196, 41, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 41, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 41, 73);  
box-shadow:4px 4px 4px 4px rgb(196, 41,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8027, 0.5356, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 41, 73) }
```

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

```
.background{ background-color: rgb(196, 41,  
73) }
```

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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