

Converting Colors

$Y_{xy}(13.1065, 0.5442, 0.2954)$

Have a look what the booklet for
Yxy(13.1065, 0.5442, 0.2954)
contains.

Yxy(13.1320, 0.5447, 0.2961)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1320, 0.5447, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	C32146
RGB	195, 33, 70
RGB Percent	76%, 13%, 27%
CMY	0.2353, 0.8706, 0.7254
CMYK	0.00, 0.83, 0.64, 0.24
HSL	346°, 71%, 45%
HSV	346°, 83%, 76%
XYZ	24.1574, 13.1320, 7.0605
YIQ	85.6560, 84.6750, 45.8510

Conversions

Conversions Part 2

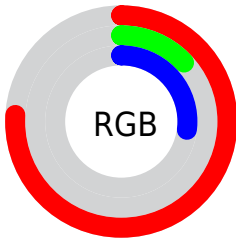
Format	Color
R_{YB}	195, 33, 70
Decimal	12788038
CIE Lab	42.96, 62.57, 21.31
CIE LCh	43, 66.103, 18.804
Yxy	13.1320, 0.5447, 0.2961
Android (android.graphics.Color)	4290978118 (0xFFC32146)
YUV	85.6560, -7.7184, 95.8947
Hunter-Lab	36.2381, 55.5767, 13.8148

Details

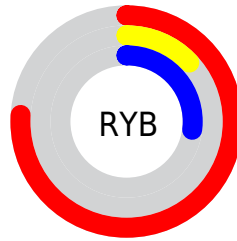
The Yxy color **13.1320, 0.5447, 0.2961** is a dark color, and the websafe version is hex **990033**. The color can be described as dark muted red. A complement of this color would be **41.8245, 0.2456, 0.3903**, and the grayscale version is **9.2321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1174, 0.4855, 0.3097**, and **5.1522, 0.5992, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **12.1793, 0.5799, 0.3025**, and if you desaturate by 10%, it is **14.7601, 0.5052, 0.2936**.

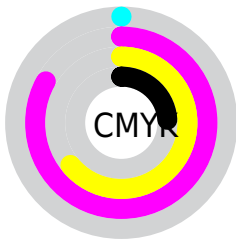
Distribution



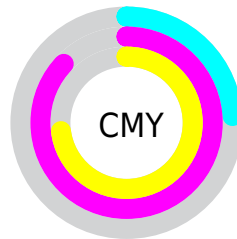
- Red (76%)
- Green (13%)
- Blue (27%)



- Red (76%)
- Yellow (13%)
- Blue (27%)



- Cyan (0%)
- Magenta (83%)
- Yellow (64%)
- Black (24%)





- Cyan (24%)
- Magenta (87%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1320, 0.5447, 0.2961 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 13.1320, 0.5447, 0.2961 by changing the saturation by 10% instead.


 13.1320, 0.5447,
0.2961


 13.1320, 0.5447,
0.2961


211.7619, 0.4058,
0.3230

 7.5195, 0.5874,
0.2836


 31.5407, 0.4882,
0.3096


 3.7891, 0.6461,
0.2628

 45.1057, 0.4688,
0.3134


 1.5563, 0.7544,
0.2346

 62.0904, 0.4531,
0.3162

 0.3279, 0.8745,
0.1255

 82.8791, 0.4402,
0.3183

 0.0000, 1.0000,
0.0000

 107.8562, 0.4295,
0.3199

 0.0000, 0.0000,
0.0000

 137.4061, 0.4204,

0.3212

171.9132, 0.4126,
0.3222

■ 13.1320, 0.5447,
0.2961

■ 13.1320, 0.5447,
0.2961

■ 12.1793, 0.5799,
0.3025

■ 14.7601, 0.5052,
0.2936

■ 11.7894, 0.6003,
0.3081

■ 17.1589, 0.4657,
0.2945

■ 20.4109, 0.4294,
0.2981

■ 24.5872, 0.3977,
0.3033

■ 29.7515, 0.3710,
0.3093

■ 35.9617, 0.3490,
0.3155

■ 43.2712, 0.3311,
0.3216

■ 51.7299, 0.3166,
0.3273

■ 61.3846, 0.3048,
0.3326

Harmonies

Analogous

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



13.1320, 0.4238, 0.2255



13.1320, 0.5447, 0.2961



13.1320, 0.5715, 0.3742

Triad

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



13.1320, 0.5447, 0.2961



13.1320, 0.2912, 0.5889



13.1320, 0.1233, 0.1516

Complementary

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



13.1320, 0.5447, 0.2961



41.8245, 0.2456, 0.3903

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.



13.1320, 0.1053, 0.1946



13.1320, 0.5447, 0.2961



13.1320, 0.1854, 0.4719

Square

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



13.1320, 0.5447, 0.2961



13.1320, 0.4078, 0.5580



13.1320, 0.1221, 0.2999



13.1320, 0.1779, 0.1470

Rectangle

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



13.1320, 0.5447, 0.2961



13.1320, 0.5386, 0.4327



13.1320, 0.1221, 0.2999



13.1320, 0.1136, 0.1608

Sweetspot

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



13.1328, 0.5447, 0.2961



61.6685, 0.3537, 0.3141



12.2161, 0.2727, 0.1369



12.6187, 0.3614, 0.3119



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.



13.1328, 0.5447, 0.2961



21.0822, 0.6037, 0.3100



16.9085, 0.5559, 0.3704



10.1148, 0.3254, 0.3238



7.6726, 0.5971, 0.3063



0.3424, 0.5328, 0.2709

Inverse Universe

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



13.1328, 0.5447, 0.2961



21.0822, 0.6037, 0.3100



26.6561, 0.2085, 0.2564



10.1148, 0.3254, 0.3238



7.6726, 0.5971, 0.3063



0.3424, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 13.1320, 0.5447, 0.2961 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 13.1320, 0.5447, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

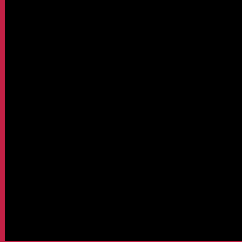
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1320, 0.5447, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 13.1320, 0.5447, 0.2961.



This preview shows how white text looks on a background with the Yxy color 13.1320, 0.5447, 0.2961.

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

13.1320, 0.5447, 0.2961

Protanopia

13.3878, 0.3225, 0.3378

Deuteranopia

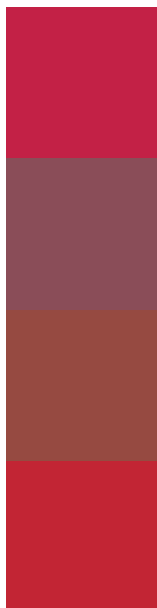
13.3683, 0.4064, 0.4010



Tritanopia

13.1470, 0.5858, 0.3290

Trichromacy



Original Color

13.1320, 0.5447, 0.2961

Protanomaly

11.4156, 0.4030, 0.3088

Deuteranomaly

11.7632, 0.4676, 0.3442

Tritanomaly

13.0404, 0.5726, 0.3173

Monochromacy



Original Color

13.1320, 0.5447, 0.2961

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.0291, 0.4049, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1320, 0.5447, 0.2961 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(195, 33, 70)` looks like.

```
.text, #text, p{  
    color:rgb(195, 33, 70)  
}
```

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(195, 33, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 33, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.1320, 0.5447, 0.2961 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(195, 33, 70) }
```

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

```
.border{ border-color:rgb(195, 33, 70) }
```

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

Here you see how a box with a 4 pixel rgb(195, 33, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 33, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 33, 70);  
box-shadow:4px 4px 4px 4px rgb(195, 33,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1320, 0.5447, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 33, 70) }
```

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

```
.background{ background-color: rgb(195, 33,  
70) }
```

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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