

Converting Colors

$Y_{xy}(13.1505, 0.5272, 0.2786)$

Have a look what the booklet for
Yxy(13.1505, 0.5272, 0.2786)
contains.

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Color

Yxy(13.1328, 0.5269, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	C51852
RGB	197, 24, 82
RGB Percent	77%, 9%, 32%
CMY	0.2273, 0.9062, 0.6784
CMYK	0.00, 0.88, 0.58, 0.23
HSL	340°, 78%, 43%
HSV	340°, 88%, 77%
XYZ	24.8820, 13.1328, 9.2085
YIQ	82.3390, 84.4900, 54.7140

Conversions

Conversions Part 2

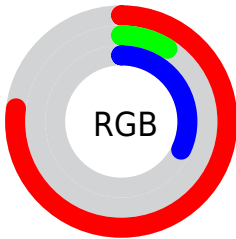
Format	Color
R _Y B	197, 24, 82
Decimal	12916818
CIE Lab	42.96, 65.70, 13.87
CIE LCh	43, 67.153, 11.921
Yxy	13.1328, 0.5269, 0.2781
Android (android.graphics.Color)	4291106898 (0xFFC51852)
YUV	82.3390, -0.1671, 100.5577
Hunter-Lab	36.2392, 59.1401, 10.3016

Details

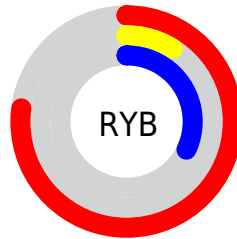
The Yxy color **13.1328, 0.5269, 0.2781** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **42.0016, 0.2546, 0.4277**, and the grayscale version is **8.4884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7274, 0.4700, 0.2932**, and **5.3742, 0.5773, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **12.3946, 0.5580, 0.2864**, and if you desaturate by 10%, it is **14.4756, 0.4928, 0.2745**.

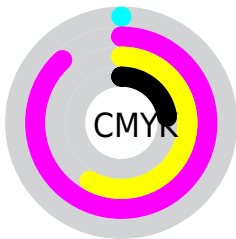
Distribution



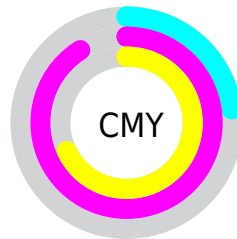
- Red (77%)
- Green (9%)
- Blue (32%)



- Red (77%)
- Yellow (9%)
- Blue (32%)



- Cyan (0%)
- Magenta (88%)
- Yellow (58%)
- Black (23%)




- Cyan (23%)
- Magenta (91%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1328, 0.5269, 0.2781 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 13.1328, 0.5269, 0.2781 by changing the saturation by 10% instead.


 13.1328, 0.5269,
0.2781


 13.1328, 0.5269,
0.2781


211.7670, 0.3985,
0.3130


 7.5201, 0.5672,
0.2646


 31.5422, 0.4743,
0.2939


 3.7894, 0.6237,
0.2437


 45.1076, 0.4564,
0.2988

 1.5565, 0.7099,
0.2101


 62.0926, 0.4420,
0.3026

 0.3280, 0.8814,
0.1186

 82.8818, 0.4301,
0.3055

 0.0000, 1.0000,
0.0000

 107.8594, 0.4203,
0.3080

 0.0000, 0.0000,
0.0000

 137.4099, 0.4119,

0.3099

171.9176, 0.4047,
0.3116

■ 13.1328, 0.5269,
0.2781

■ 13.1328, 0.5269,
0.2781

■ 12.3946, 0.5580,
0.2864

■ 14.4756, 0.4928,
0.2745

■ 12.2692, 0.5643,
0.2882

■ 16.5520, 0.4585,
0.2755

■ 19.4522, 0.4263,
0.2802

■ 23.2525, 0.3977,
0.2873

■ 28.0207, 0.3732,
0.2959

■ 33.8178, 0.3527,
0.3049

■ 40.6998, 0.3357,
0.3139

■ 48.7187, 0.3218,
0.3226

■ 57.9231, 0.3105,
0.3307

Harmonies

Analogous

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



13.1328, 0.3905, 0.2098



13.1328, 0.5269, 0.2781



13.1328, 0.5778, 0.3548

Triad

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



13.1328, 0.5269, 0.2781



13.1328, 0.3171, 0.5974



13.1328, 0.1143, 0.1554

Complementary

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



13.1328, 0.5269, 0.2781



42.0016, 0.2546, 0.4277

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.



13.1328, 0.1037, 0.2104



13.1328, 0.5269, 0.2781



13.1328, 0.2051, 0.5138

Square

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



13.1328, 0.5269, 0.2781



13.1328, 0.4347, 0.5412



13.1328, 0.1298, 0.3349



13.1328, 0.1599, 0.1434

Rectangle

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



13.1328, 0.5269, 0.2781



13.1328, 0.5560, 0.4115



13.1328, 0.1298, 0.3349



13.1328, 0.1071, 0.1679

Sweetspot

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



13.1336, 0.5269, 0.2781



62.2269, 0.3500, 0.3062



9.9536, 0.2449, 0.1181



12.4701, 0.3566, 0.3030



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.



13.1336, 0.5269, 0.2781



21.9251, 0.5681, 0.2903



14.2112, 0.5955, 0.3478



10.6947, 0.3238, 0.3213



8.0813, 0.5609, 0.2864



0.3962, 0.5015, 0.2536

Inverse Universe

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



13.1336, 0.5269, 0.2781



21.9251, 0.5681, 0.2903



33.3754, 0.2151, 0.2868



10.6947, 0.3238, 0.3213



8.0813, 0.5609, 0.2864



0.3962, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 13.1328, 0.5269, 0.2781 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 13.1328, 0.5269, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

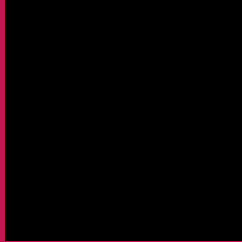
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1328, 0.5269, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 13.1328, 0.5269, 0.2781.



This preview shows how white text looks on a background with the Yxy color 13.1328, 0.5269, 0.2781.

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

13.1328, 0.5269, 0.2781

Protanopia

13.4964, 0.2908, 0.2969

Deuteranopia

13.3674, 0.3857, 0.3783



Tritanopia

13.1283, 0.5916, 0.3298

Trichromacy



Original Color

13.1328, 0.5269, 0.2781

Protanomaly

11.0479, 0.3695, 0.2733

Deuteranomaly

11.4319, 0.4465, 0.3193

Tritanomaly

13.0898, 0.5733, 0.3130

Monochromacy



Original Color

13.1328, 0.5269, 0.2781

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.2318, 0.4008, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1328, 0.5269, 0.2781 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(197, 24, 82)` looks like.

```
.text, #text, p{  
    color:rgb(197, 24, 82)  
}
```

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(197, 24, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 24, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.1328, 0.5269, 0.2781 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(197, 24, 82) }
```

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

```
.border{ border-color:rgb(197, 24, 82) }
```

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

Here you see how a box with a 4 pixel rgb(197, 24, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 24, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 24, 82);  
box-shadow:4px 4px 4px 4px rgb(197, 24,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1328, 0.5269, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 24, 82) }
```

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

```
.background{ background-color: rgb(197, 24,  
82) }
```

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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