

Converting Colors

$Y_{xy}(10.1389, 0.5135, 0.2698)$

Have a look what the booklet for
Yxy(10.1389, 0.5135, 0.2698)
contains.

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Color

Yxy(10.1298, 0.5135, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	AF134E
RGB	175, 19, 78
RGB Percent	69%, 7%, 31%
CMY	0.3137, 0.9254, 0.6942
CMYK	0.00, 0.89, 0.55, 0.31
HSL	337°, 80%, 38%
HSV	337°, 89%, 69%
XYZ	19.2868, 10.1298, 8.1429
YIQ	72.3700, 74.0370, 51.4210

Conversions

Conversions Part 2

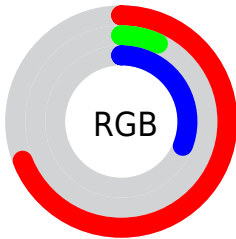
Format	Color
R_{YB}	175, 19, 78
Decimal	11473742
CIE Lab	38.07, 60.74, 8.97
CIE LCh	38, 61.397, 8.400
Yxy	10.1298, 0.5135, 0.2697
Android (android.graphics.Color)	4289663822 (0xFFAF134E)
YUV	72.3700, 2.7756, 90.0065
Hunter-Lab	31.8273, 52.4700, 7.1100

Details

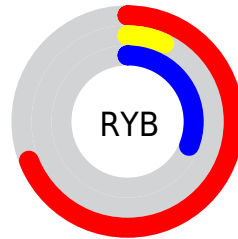
The Yxy color **10.1298, 0.5135, 0.2697** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **32.0608, 0.2585, 0.4419**, and the grayscale version is **6.5353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0208, 0.4605, 0.2870**, and **3.8285, 0.5685, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **9.5535, 0.5432, 0.2773**, and if you desaturate by 10%, it is **11.1268, 0.4819, 0.2665**.

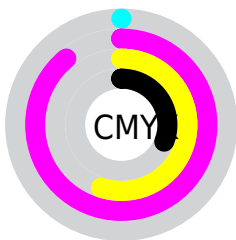
Distribution



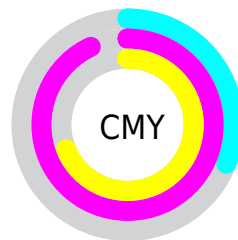
- Red (69%)
- Green (7%)
- Blue (31%)



- Red (69%)
- Yellow (7%)
- Blue (31%)



- Cyan (0%)
- Magenta (89%)
- Yellow (55%)
- Black (31%)




- Cyan (31%)
- Magenta (93%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1298, 0.5135, 0.2697 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 10.1298, 0.5135, 0.2697 by changing the saturation by 10% instead.


 10.1298, 0.5135,
0.2697


 10.1298, 0.5135,
0.2697


191.5960, 0.3890,
0.3093

 5.4851, 0.5557,
0.2543

 26.0394, 0.4608,
0.2875


 2.5346, 0.6176,
0.2300

 38.0730, 0.4434,
0.2931


 0.8939, 0.7319,
0.1933

 53.3384, 0.4296,
0.2974

 0.0000, 1.0000,
0.0000

 72.2200, 0.4184,
0.3008

 0.0000, 0.0000,
0.0000

 95.1022, 0.4092,
0.3035

 122.3693, 0.4014,

0.3058

154.4058, 0.3947,
0.3077

■ 10.1298, 0.5135,
0.2697

■ 10.1298, 0.5135,
0.2697

■ 9.5535, 0.5432,
0.2773

■ 11.1268, 0.4819,
0.2665

■ 9.5091, 0.5457,
0.2780

■ 12.6700, 0.4503,
0.2680

■ 14.8274, 0.4207,
0.2734

■ 17.6564, 0.3942,
0.2814

■ 21.2079, 0.3713,
0.2908

■ 25.5278, 0.3520,
0.3008

■ 30.6583, 0.3360,
0.3109

■ 36.6381, 0.3227,
0.3206

■ 43.5039, 0.3119,
0.3298

Harmonies

Analogous

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



10.1298, 0.3726, 0.2032



10.1298, 0.5135, 0.2697



10.1298, 0.5768, 0.3456

Triad

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



10.1298, 0.5135, 0.2697



10.1298, 0.3311, 0.5954



10.1298, 0.1117, 0.1597

Complementary

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



10.1298, 0.5135, 0.2697



32.0608, 0.2585, 0.4419

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.



10.1298, 0.1051, 0.2212



10.1298, 0.5135, 0.2697



10.1298, 0.2174, 0.5312

Square

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



10.1298, 0.5135, 0.2697



10.1298, 0.4497, 0.5323



10.1298, 0.1363, 0.3548



10.1298, 0.1527, 0.1435

Rectangle

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



10.1298, 0.5135, 0.2697



10.1298, 0.5619, 0.4011



10.1298, 0.1363, 0.3548



10.1298, 0.1059, 0.1739

Sweetspot

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



10.1304, 0.5135, 0.2697



47.1436, 0.3491, 0.3025



7.2209, 0.2375, 0.1138



9.8521, 0.3550, 0.2991



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.1304, 0.5135, 0.2697



16.9912, 0.5500, 0.2804



10.4981, 0.6028, 0.3427



8.0636, 0.3229, 0.3205



6.8209, 0.5428, 0.2764



0.2006, 0.4610, 0.2313

Inverse Universe

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



10.1304, 0.5135, 0.2697



16.9912, 0.5500, 0.2804



27.2813, 0.2175, 0.2963



8.0636, 0.3229, 0.3205



6.8209, 0.5428, 0.2764



0.2006, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 10.1298, 0.5135, 0.2697 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 10.1298, 0.5135, 0.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

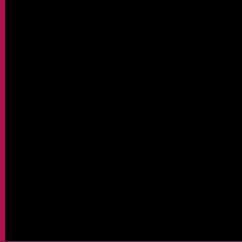
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1298, 0.5135, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 10.1298, 0.5135, 0.2697.



This preview shows how white text looks on a background with the Yxy color 10.1298, 0.5135, 0.2697.

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

10.1298, 0.5135, 0.2697

Protanopia

10.6561, 0.2793, 0.2824

Deuteranopia

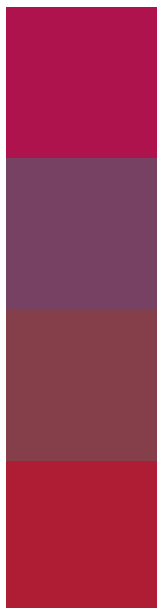
10.5602, 0.3727, 0.3681



Tritanopia

10.2076, 0.5860, 0.3298

Trichromacy



Original Color

10.1298, 0.5135, 0.2697

Protanomaly

8.6034, 0.3539, 0.2591

Deuteranomaly

8.9550, 0.4316, 0.3085

Tritanomaly

10.1164, 0.5652, 0.3092

Monochromacy



Original Color

10.1298, 0.5135, 0.2697

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.2918, 0.3947, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1298, 0.5135, 0.2697 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(175, 19, 78)` looks like.

```
.text, #text, p{  
    color:rgb(175, 19, 78)  
}
```

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(175, 19, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 19, 78) }
```

Border

The CSS property to change the border of an element to Yxy 10.1298, 0.5135, 0.2697 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(175, 19, 78) }
```

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

```
.border{ border-color:rgb(175, 19, 78) }
```

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

Here you see how a box with a 4 pixel rgb(175, 19, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 19, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 19, 78);  
box-shadow:4px 4px 4px 4px rgb(175, 19,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1298, 0.5135, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 19, 78) }
```

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

```
.background{ background-color: rgb(175, 19,  
78) }
```

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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