

Converting Colors

$Y_{xy}(10.7898, 0.5283, 0.2995)$

Have a look what the booklet for
Yxy(10.7898, 0.5283, 0.2995)
contains.

Yxy(10.7286, 0.5277, 0.2989)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7286, 0.5277, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	AD2742
RGB	173, 39, 66
RGB Percent	68%, 15%, 26%
CMY	0.3216, 0.8470, 0.7412
CMYK	0.00, 0.77, 0.62, 0.32
HSL	348°, 63%, 42%
HSV	348°, 77%, 68%
XYZ	18.9411, 10.7286, 6.2240
YIQ	82.1440, 71.1970, 36.8050

Conversions

Conversions Part 2

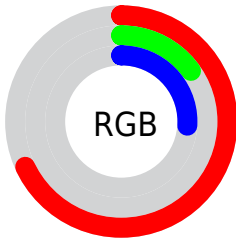
Format	Color
R_{YB}	173, 39, 66
Decimal	11347778
CIE _{Lab}	39.12, 54.47, 17.99
CIE _{LCh}	39, 57.361, 18.279
Yxy	10.7286, 0.5277, 0.2989
Android (android.graphics.Color)	4289537858 (0xFFAD2742)
YUV	82.1440, -7.9590, 79.6807
Hunter-Lab	32.7545, 45.9012, 11.6620

Details

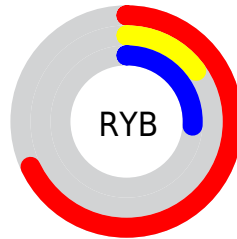
The Yxy color **10.7286, 0.5277, 0.2989** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **32.3929, 0.2446, 0.3779**, and the grayscale version is **8.4756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2567, 0.4713, 0.3115**, and **3.6434, 0.5950, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **9.6963, 0.5665, 0.3028**, and if you desaturate by 10%, it is **12.3195, 0.4868, 0.2984**.

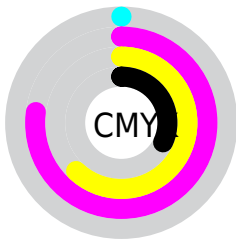
Distribution



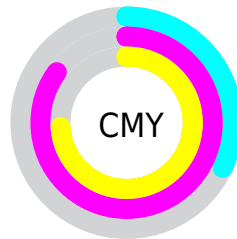
- Red (68%)
- Green (15%)
- Blue (26%)



- Red (68%)
- Yellow (15%)
- Blue (26%)



- Cyan (0%)
- Magenta (77%)
- Yellow (62%)
- Black (32%)




- Cyan (32%)
- Magenta (85%)
- Yellow (74%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7286, 0.5277, 0.2989 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 10.7286, 0.5277, 0.2989 by changing the saturation by 10% instead.


 10.7286, 0.5277,
0.2989


 10.7286, 0.5277,
0.2989


195.7960, 0.3950,
0.3235


 5.8846, 0.5715,
0.2867

 27.1572, 0.4720,
0.3115


 2.7751, 0.6343,
0.2654

 39.5106, 0.4534,
0.3149


 1.0155, 0.7634,
0.2366

 55.1360, 0.4386,
0.3174

 0.0000, 1.0000,
0.0000

 74.4177, 0.4266,
0.3193

 0.0000, 0.0000,
0.0000

 97.7402, 0.4167,
0.3207

 125.4878, 0.4083,

0.3219

158.0449, 0.4011,
0.3227

■ 10.7286, 0.5277,
0.2989

■ 10.7286, 0.5277,
0.2989

■ 9.6963, 0.5665,
0.3028

■ 12.3195, 0.4868,
0.2984

■ 9.1218, 0.5988,
0.3097

■ 14.5321, 0.4479,
0.3005

■ 9.0037, 0.6061,
0.3113

■ 17.4230, 0.4132,
0.3045

■ 21.0420, 0.3837,
0.3095

■ 25.4342, 0.3592,
0.3149

■ 30.6408, 0.3391,
0.3203

■ 36.7004, 0.3228,
0.3254

■ 43.6489, 0.3096,
0.3302

■ 51.5202, 0.2989,
0.3346

Harmonies

Analogous

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



10.7286, 0.4142, 0.2306



10.7286, 0.5277, 0.2989



10.7286, 0.5573, 0.3750

Triad

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



10.7286, 0.5277, 0.2989



10.7286, 0.2981, 0.5692



10.7286, 0.1318, 0.1612

Complementary

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



10.7286, 0.5277, 0.2989



32.3929, 0.2446, 0.3779

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.



10.7286, 0.1150, 0.2047



10.7286, 0.5277, 0.2989



10.7286, 0.1960, 0.4633

Square

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



10.7286, 0.5277, 0.2989



10.7286, 0.4090, 0.5449



10.7286, 0.1332, 0.3061



10.7286, 0.1842, 0.1557

Rectangle

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



10.7286, 0.5277, 0.2989



10.7286, 0.5294, 0.4309



10.7286, 0.1332, 0.3061



10.7286, 0.1225, 0.1707

Sweetspot

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



10.7292, 0.5277, 0.2989



49.1433, 0.3506, 0.3171



10.3958, 0.2797, 0.1471



10.0005, 0.3580, 0.3152



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.7292, 0.5277, 0.2989



16.5757, 0.5904, 0.3077



14.3353, 0.5300, 0.3752



8.0407, 0.3256, 0.3245



6.6220, 0.6037, 0.3099



0.1917, 0.5251, 0.2666

Inverse Universe

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



10.7292, 0.5277, 0.2989



16.5757, 0.5904, 0.3077



20.7865, 0.2118, 0.2583



8.0407, 0.3256, 0.3245



6.6220, 0.6037, 0.3099



0.1917, 0.5251, 0.2666

Previews

White Background



This preview shows how the Yxy color 10.7286, 0.5277, 0.2989 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 10.7286, 0.5277, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

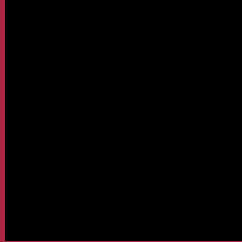
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7286, 0.5277, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 10.7286, 0.5277, 0.2989.



This preview shows how white text looks on a background with the Yxy color 10.7286, 0.5277, 0.2989.

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

10.7286, 0.5277, 0.2989

Protanopia

11.0368, 0.3233, 0.3385

Deuteranopia

10.9712, 0.4017, 0.3945



Tritanopia

10.7615, 0.5616, 0.3287

Trichromacy



Original Color

10.7286, 0.5277, 0.2989

Protanomaly

9.6443, 0.3951, 0.3128

Deuteranomaly

10.0052, 0.4535, 0.3460

Tritanomaly

10.6836, 0.5497, 0.3177

Monochromacy



Original Color

10.7286, 0.5277, 0.2989

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.0631, 0.3935, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7286, 0.5277, 0.2989 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(173, 39, 66)` looks like.

```
.text, #text, p{  
  color:rgb(173, 39, 66)  
}
```

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(173, 39, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 39, 66) }
```

Border

The CSS property to change the border of an element to Yxy 10.7286, 0.5277, 0.2989 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(173, 39, 66) }
```

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

```
.border{ border-color:rgb(173, 39, 66) }
```

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

Here you see how a box with a 4 pixel rgb(173, 39, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 39, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 39, 66);  
box-shadow:4px 4px 4px 4px rgb(173, 39,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7286, 0.5277, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 39, 66) }
```

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

```
.background{ background-color: rgb(173, 39,  
66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor