

Converting Colors

$Yxy(10.3068, 0.3080, 0.1887)$

Have a look what the booklet for
Yxy(10.3068, 0.3080, 0.1887)
contains.

Yxy(10.3581, 0.3082, 0.1893)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.3581, 0.3082, 0.1893)

Conversions

Conversions Part 1

Format	Color
Hex	893A90
RGB	137, 58, 144
RGB Percent	54%, 23%, 56%
CMY	0.4627, 0.7725, 0.4353
CMYK	0.05, 0.60, 0.00, 0.44
HSL	295°, 43%, 40%
HSV	295°, 60%, 56%
XYZ	16.8641, 10.3581, 27.4957
YIQ	91.4250, 19.4780, 43.4940

Conversions

Conversions Part 2

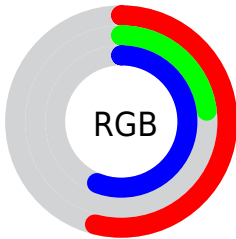
Format	Color
R_{YB}	137, 58, 144
Decimal	8993424
CIE _{Lab}	38.48, 46.14, -32.49
CIE _{LCh}	38, 56.433, 324.852
Yxy	10.3581, 0.3082, 0.1893
Android (android.graphics.Color)	4287183504 (0xFF893A90)
YUV	91.4250, 25.9195, 39.9693
Hunter-Lab	32.1840, 37.2100, -28.1244

Details

The Yxy color **10.3581, 0.3082, 0.1893** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.3756, 0.3095, 0.5121**, and the grayscale version is **10.5004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4355, 0.3113, 0.2194**, and **2.6751, 0.2983, 0.1417** is the 20% darker color. If you saturate the color by 10%, you get **9.0057, 0.3066, 0.1721**, and if you desaturate by 10%, it is **12.1186, 0.3095, 0.2097**.

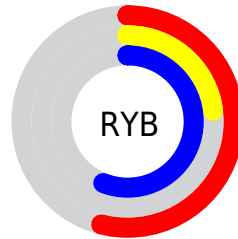
Distribution



Red (54%)

Green (23%)

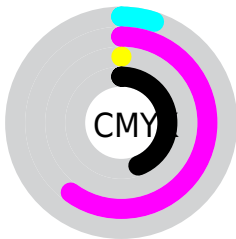
Blue (56%)



Red (54%)

Yellow (23%)

Blue (56%)

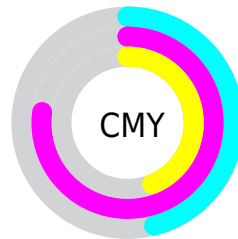


Cyan (5%)

Magenta (60%)

Yellow (0%)

Black (44%)



Cyan (46%)


Magenta (77%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3581, 0.3082, 0.1893 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 10.3581, 0.3082, 0.1893 by changing the saturation by 10% instead.


 10.3581, 0.3082,
0.1893


 10.3581, 0.3082,
0.1893


193.2091, 0.3140,
0.2666


 5.6370, 0.3047,
0.1679


 26.4669, 0.3116,
0.2191


 2.6257, 0.2985,
0.1395

 38.6234, 0.3124,
0.2298


 0.9396, 0.2863,
0.1014

 54.0272, 0.3130,
0.2386

 0.0000, 0.2737,
0.0000

 73.0627, 0.3134,
0.2461

 0.0000, 0.0000,
0.0000

 96.1142, 0.3136,
0.2524

 123.5662, 0.3138,

0.2578

155.8030, 0.3139,
0.2625

■ 10.3581, 0.3082,
0.1893

■ 10.3581, 0.3082,
0.1893

■ 9.0057, 0.3066,
0.1721

■ 12.1186, 0.3095,
0.2097

■ 8.0252, 0.3049,
0.1587

■ 14.3166, 0.3106,
0.2325

■ 7.3763, 0.3030,
0.1495

■ 16.9805, 0.3115,
0.2566

■ 6.9537, 0.3010,
0.1433

■ 20.1358, 0.3121,
0.2814

■ 6.9424, 0.3010,
0.1432

■ 23.8062, 0.3125,
0.3059

■ 28.0138, 0.3127,
0.3296

■ 32.7795, 0.3128,
0.3522

■ 38.1230, 0.3127,
0.3733

■ 44.0631, 0.3126,
0.3928

Harmonies

Analogous

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



10.3581, 0.2018, 0.1591



10.3581, 0.3082, 0.1893



10.3581, 0.4430, 0.2449

Triad

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



10.3581, 0.3082, 0.1893



10.3581, 0.4868, 0.4804



10.3581, 0.1264, 0.2783

Complementary

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



10.3581, 0.3082, 0.1893



21.3756, 0.3095, 0.5121

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.



10.3581, 0.1787, 0.4273



10.3581, 0.3082, 0.1893



10.3581, 0.3851, 0.5577

Square

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



10.3581, 0.3082, 0.1893



10.3581, 0.5508, 0.3929



10.3581, 0.2743, 0.5562



10.3581, 0.1165, 0.1916

Rectangle

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



10.3581, 0.3082, 0.1893



10.3581, 0.5174, 0.2909



10.3581, 0.2743, 0.5562



10.3581, 0.1386, 0.3222

Sweetspot

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



10.3586, 0.3082, 0.1893



36.3368, 0.3122, 0.2847



6.7130, 0.2037, 0.1575



7.9674, 0.3120, 0.2781



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



10.3586, 0.3082, 0.1893



15.1612, 0.3060, 0.1666



10.0417, 0.3826, 0.2442



5.4890, 0.3125, 0.3072



6.0503, 0.3011, 0.1432



0.0621, 0.3116, 0.1490

Inverse Universe

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



9.3370, 0.4756, 0.3179



13.2839, 0.5364, 0.3179



21.6511, 0.2780, 0.4384



5.4308, 0.3269, 0.3272



5.1875, 0.6278, 0.3232



0.0507, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 10.3581, 0.3082, 0.1893 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 10.3581, 0.3082, 0.1893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

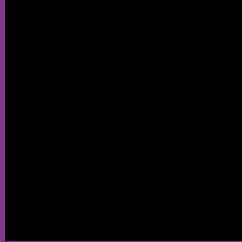
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3581, 0.3082, 0.1893

Background



This preview shows how black text looks on a background with the Yxy color 10.3581, 0.3082, 0.1893.



This preview shows how white text looks on a background with the Yxy color 10.3581, 0.3082, 0.1893.

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

10.3581, 0.3082, 0.1893

Protanopia

10.7042, 0.1919, 0.1691

Deuteranopia

10.5824, 0.2300, 0.2257



Tritanopia

10.4301, 0.4018, 0.3194

Trichromacy



Original Color

10.3581, 0.3082, 0.1893

Protanomaly

9.7197, 0.2165, 0.1688

Deuteranomaly

9.8651, 0.2526, 0.2052

Tritanomaly

10.1613, 0.3662, 0.2631

Monochromacy



Original Color

10.3581, 0.3082, 0.1893

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

9.9059, 0.3125, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3581, 0.3082, 0.1893 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(137, 58, 144)` looks like.

```
.text, #text, p{  
    color:rgb(137, 58, 144)  
}
```

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(137, 58, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 58, 144) }
```

Border

The CSS property to change the border of an element to Yxy 10.3581, 0.3082, 0.1893 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(137, 58, 144) }
```

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

```
.border{ border-color:rgb(137, 58, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 58, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 58, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 58, 144);  
box-shadow:4px 4px 4px 4px rgb(137, 58,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3581, 0.3082, 0.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 58, 144) }
```

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

```
.background{ background-color: rgb(137, 58,  
144) }
```

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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