

Converting Colors

$Y_{xy}(12.9976, 0.3604, 0.2085)$

Have a look what the booklet for
Yxy(12.9976, 0.3604, 0.2085)
contains.

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Color

Yxy(13.0263, 0.3610, 0.2084)

Conversions

Conversions Part 1

Format	Color
Hex	A9368E
RGB	169, 54, 142
RGB Percent	66%, 21%, 56%
CMY	0.3372, 0.7882, 0.4431
CMYK	0.00, 0.68, 0.16, 0.34
HSL	314°, 52%, 44%
HSV	314°, 68%, 66%
XYZ	22.5648, 13.0263, 26.9152
YIQ	98.4170, 40.2920, 51.7480

Conversions

Conversions Part 2

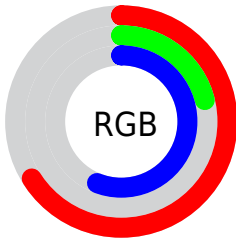
Format	Color
R_{YB}	169, 54, 142
Decimal	11089550
CIE _{Lab}	42.80, 56.14, -24.13
CIE _{LCh}	43, 61.107, 336.737
Yxy	13.0263, 0.3610, 0.2084
Android (android.graphics.Color)	4289279630 (0xFFA9368E)
YUV	98.4170, 21.4864, 61.9013
Hunter-Lab	36.0920, 48.4375, -18.9505

Details

The Yxy color **13.0263, 0.3610, 0.2084** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.7571, 0.2886, 0.4995**, and the grayscale version is **12.2613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2537, 0.3512, 0.2330**, and **4.2660, 0.3745, 0.1837** is the 20% darker color. If you saturate the color by 10%, you get **11.6009, 0.3703, 0.1987**, and if you desaturate by 10%, it is **15.0038, 0.3519, 0.2219**.

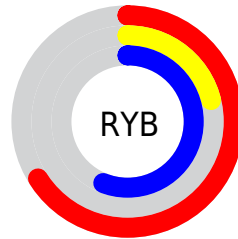
Distribution



Red (66%)

Green (21%)

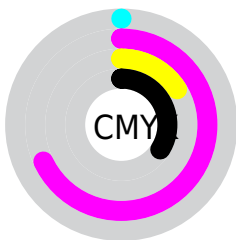
Blue (56%)



Red (66%)

Yellow (21%)

Blue (56%)

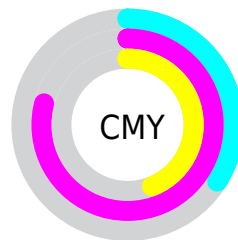


Cyan (0%)

Magenta (68%)

Yellow (16%)

Black (34%)



Cyan (34%)


Magenta (79%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0263, 0.3610, 0.2084 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 13.0263, 0.3610, 0.2084 by changing the saturation by 10% instead.


 13.0263, 0.3610,
0.2084


 13.0263, 0.3610,
0.2084


 211.0862, 0.3351,
0.2741


 7.4467, 0.3679,
0.1904


 31.3510, 0.3512,
0.2335


 3.7430, 0.3769,
0.1664


 44.8649, 0.3476,
0.2426

 1.5308, 0.3890,
0.1336

 61.7923, 0.3447,
0.2501

 0.3103, 0.4146,
0.0655

 82.5176, 0.3421,
0.2564

 0.0000, 0.4279,
0.0000

 107.4253, 0.3400,
0.2618

 0.0000, 0.0000,
0.0000

 136.8997, 0.3381,

0.2665

171.3252, 0.3365,
0.2705

■ 13.0263, 0.3610,
0.2084

■ 13.0263, 0.3610,
0.2084

■ 11.6009, 0.3703,
0.1987

■ 15.0038, 0.3519,
0.2219

■ 10.6660, 0.3796,
0.1935

■ 17.5824, 0.3433,
0.2382

■ 10.1215, 0.3886,
0.1925

■ 20.8080, 0.3354,
0.2565

■ 10.0292, 0.3904,
0.1924

■ 24.7215, 0.3283,
0.2757

■ 29.3603, 0.3220,
0.2951

■ 34.7591, 0.3165,
0.3142

■ 40.9506, 0.3119,
0.3325

■ 47.9653, 0.3079,
0.3498

■ 55.8321, 0.3045,
0.3659

Harmonies

Analogous

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



13.0263, 0.2383, 0.1674



13.0263, 0.3610, 0.2084



13.0263, 0.4913, 0.2715

Triad

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



13.0263, 0.3610, 0.2084



13.0263, 0.4490, 0.5148



13.0263, 0.1177, 0.2358

Complementary

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



13.0263, 0.3610, 0.2084



29.7571, 0.2886, 0.4995

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.



13.0263, 0.1518, 0.3630



13.0263, 0.3610, 0.2084



13.0263, 0.3412, 0.5727

Square

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



13.0263, 0.3610, 0.2084



13.0263, 0.5324, 0.4264



13.0263, 0.2324, 0.5181



13.0263, 0.1216, 0.1728

Rectangle

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



13.0263, 0.3610, 0.2084



13.0263, 0.5455, 0.3197



13.0263, 0.2324, 0.5181



13.0263, 0.1243, 0.2706

Sweetspot

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



13.0269, 0.3610, 0.2084



50.5416, 0.3234, 0.2907



7.2450, 0.2066, 0.1262



10.5191, 0.3250, 0.2854



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.0269, 0.3610, 0.2084



19.7661, 0.3754, 0.1953



11.7246, 0.4732, 0.2873



7.6360, 0.3172, 0.3119



7.4826, 0.3895, 0.1919



0.1892, 0.3628, 0.1772

Inverse Universe

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



13.0269, 0.3610, 0.2084



19.7661, 0.3754, 0.1953



31.0077, 0.2527, 0.3856



7.6360, 0.3172, 0.3119



7.4826, 0.3895, 0.1919



0.1892, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 13.0263, 0.3610, 0.2084 looks on a white background.

Color Contrast Check

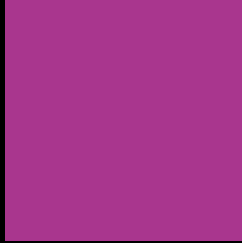
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0263, 0.3610, 0.2084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

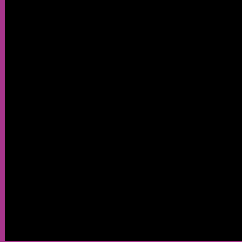
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0263, 0.3610, 0.2084

Background



This preview shows how black text looks on a background with the Yxy color 13.0263, 0.3610, 0.2084.



This preview shows how white text looks on a background with the Yxy color 13.0263, 0.3610, 0.2084.

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

13.0263, 0.3610, 0.2084

Protanopia

13.3022, 0.2038, 0.1834

Deuteranopia

13.2433, 0.2628, 0.2569



Tritanopia

13.1017, 0.4634, 0.3219

Trichromacy



Original Color

13.0263, 0.3610, 0.2084

Protanomaly

11.8233, 0.2398, 0.1821

Deuteranomaly

12.0864, 0.2925, 0.2271

Tritanomaly

12.8353, 0.4271, 0.2767

Monochromacy



Original Color

13.0263, 0.3610, 0.2084

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5346, 0.3319, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0263, 0.3610, 0.2084 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(169, 54, 142)` looks like.

```
.text, #text, p{  
    color:rgb(169, 54, 142)  
}
```

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(169, 54, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 54, 142) }
```

Border

The CSS property to change the border of an element to Yxy 13.0263, 0.3610, 0.2084 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(169, 54, 142) }
```

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

```
.border{ border-color:rgb(169, 54, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 54, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 54, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 54, 142);  
box-shadow:4px 4px 4px 4px rgb(169, 54,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0263, 0.3610, 0.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 54, 142) }
```

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

```
.background{ background-color: rgb(169, 54,  
142) }
```

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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