

Converting Colors

$Y_{xy}(11.9468, 0.2885, 0.1634)$

Have a look what the booklet for
Yxy(11.9468, 0.2885, 0.1634)
contains.

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Color

Yxy(12.0065, 0.2883, 0.1636)

Conversions

Conversions Part 1

Format	Color
Hex	9536AC
RGB	149, 54, 172
RGB Percent	58%, 21%, 67%
CMY	0.4157, 0.7882, 0.3255
CMYK	0.13, 0.69, 0.00, 0.33
HSL	288°, 52%, 44%
HSV	288°, 69%, 67%
XYZ	21.1582, 12.0065, 40.2247
YIQ	95.8570, 18.7420, 56.8380

Conversions

Conversions Part 2

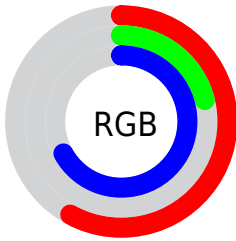
Format	Color
R_{YB}	149, 54, 172
Decimal	9778860
CIE _{Lab}	41.23, 56.36, -44.84
CIE _{LCh}	41, 72.024, 321.495
Yxy	12.0065, 0.2883, 0.1636
Android (android.graphics.Color)	4287968940 (0xFF9536AC)
YUV	95.8570, 37.5385, 46.6064
Hunter-Lab	34.6504, 48.3571, -44.5729

Details

The Yxy color **12.0065, 0.2883, 0.1636** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.3441, 0.3164, 0.5368**, and the grayscale version is **11.5665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4484, 0.2968, 0.1950**, and **3.7116, 0.2702, 0.1262** is the 20% darker color. If you saturate the color by 10%, you get **10.3683, 0.2832, 0.1476**, and if you desaturate by 10%, it is **14.2208, 0.2932, 0.1835**.

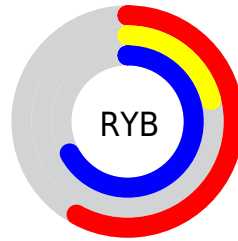
Distribution



Red (58%)

Green (21%)

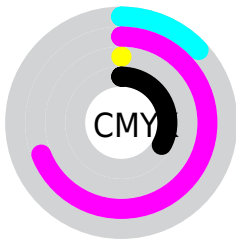
Blue (67%)



Red (58%)

Yellow (21%)

Blue (67%)

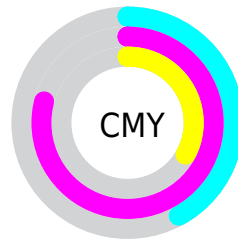


Cyan (13%)

Magenta (69%)

Yellow (0%)

Black (33%)



Cyan (42%)


Magenta (79%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0065, 0.2883, 0.1636 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 12.0065, 0.2883, 0.1636 by changing the saturation by 10% instead.


 12.0065, 0.2883,
0.1636


 12.0065, 0.2883,
0.1636


 204.4483, 0.3067,
0.2500


 6.7481, 0.2811,
0.1421


 29.5069, 0.2968,
0.1953


 3.3051, 0.2701,
0.1152


 42.5178, 0.2994,
0.2072


 1.2930, 0.2522,
0.0818

 58.8816, 0.3014,
0.2172

 0.1358, 0.2269,
0.0182

 78.9827, 0.3029,
0.2257

 0.0000, 0.1502,
0.0000

 103.2055, 0.3042,
0.2330

 0.0000, 0.0000,
0.0000

 131.9345, 0.3052,

0.2394

165.5539, 0.3060,
0.2450

■ 12.0065, 0.2883,
0.1636

■ 12.0065, 0.2883,
0.1636

■ 10.3683, 0.2832,
0.1476

■ 14.2208, 0.2932,
0.1835

■ 9.2417, 0.2781,
0.1360

■ 17.0634, 0.2977,
0.2063

■ 8.5145, 0.2730,
0.1284

■ 20.5823, 0.3018,
0.2312

■ 8.4214, 0.2723,
0.1274

■ 24.8204, 0.3054,
0.2570

■ 29.8171, 0.3084,
0.2829

■ 35.6088, 0.3109,
0.3082

■ 42.2296, 0.3130,
0.3323

■ 49.7116, 0.3146,
0.3549

■ 58.0851, 0.3159,
0.3758

Harmonies

Analogous

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



12.0065, 0.1732, 0.1343



12.0065, 0.2883, 0.1636



12.0065, 0.4506, 0.2215

Triad

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



12.0065, 0.2883, 0.1636



12.0065, 0.5190, 0.4810



12.0065, 0.1024, 0.2790

Complementary

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



12.0065, 0.2883, 0.1636



31.3441, 0.3164, 0.5368

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.



12.0065, 0.1617, 0.4729



12.0065, 0.2883, 0.1636



12.0065, 0.3980, 0.5880

Square

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



12.0065, 0.2883, 0.1636



12.0065, 0.5910, 0.3767



12.0065, 0.2706, 0.6199



12.0065, 0.0906, 0.1741

Rectangle

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



12.0065, 0.2883, 0.1636



12.0065, 0.5463, 0.2702



12.0065, 0.2706, 0.6199



12.0065, 0.1159, 0.3353

Sweetspot

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



12.0070, 0.2883, 0.1636



51.4369, 0.3076, 0.2758



9.1562, 0.1912, 0.1501



10.6476, 0.3068, 0.2689



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.



12.0070, 0.2883, 0.1636



17.7079, 0.2807, 0.1414



13.2034, 0.3748, 0.2169



8.0681, 0.3108, 0.3064



6.2909, 0.2728, 0.1276



0.1949, 0.2883, 0.1362

Inverse Universe

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



11.9447, 0.4929, 0.2993



17.9807, 0.5533, 0.3020



31.0125, 0.2841, 0.4870



8.0399, 0.3257, 0.3246



6.6171, 0.6054, 0.3109



0.1914, 0.5279, 0.2682

Previews

White Background



This preview shows how the Yxy color 12.0065, 0.2883, 0.1636 looks on a white background.

Color Contrast Check

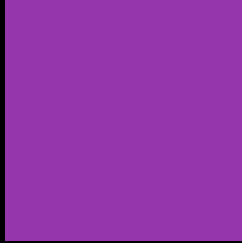
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0065, 0.2883, 0.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

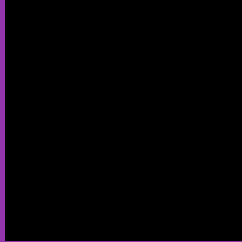
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0065, 0.2883, 0.1636

Background



This preview shows how black text looks on a background with the Yxy color 12.0065, 0.2883, 0.1636.



This preview shows how white text looks on a background with the Yxy color 12.0065, 0.2883, 0.1636.

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

12.0065, 0.2883, 0.1636

Protanopia

12.1755, 0.1742, 0.1470

Deuteranopia

12.3341, 0.2037, 0.1997



Tritanopia

12.0575, 0.3981, 0.3180

Trichromacy



Original Color

12.0065, 0.2883, 0.1636



Protanomaly

10.0939, 0.1848, 0.1370



Deuteranomaly

11.0028, 0.2224, 0.1748



Tritanomaly

11.6294, 0.3532, 0.2470

Monochromacy



Original Color

12.0065, 0.2883, 0.1636



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

10.9849, 0.3026, 0.2435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0065, 0.2883, 0.1636 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(149, 54, 172)` looks like.

```
.text, #text, p{  
    color:rgb(149, 54, 172)  
}
```

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(149, 54, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 54, 172) }
```

Border

The CSS property to change the border of an element to Yxy 12.0065, 0.2883, 0.1636 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(149, 54, 172) }
```

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

```
.border{ border-color:rgb(149, 54, 172) }
```

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

Here you see how a box with a 4 pixel rgb(149, 54, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 54, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 54, 172);  
box-shadow:4px 4px 4px 4px rgb(149, 54,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0065, 0.2883, 0.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 54, 172) }
```

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

```
.background{ background-color: rgb(149, 54,  
172) }
```

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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