

Converting Colors

$Y_{xy}(12.2626, 0.2736, 0.1616)$

Have a look what the booklet for
Yxy(12.2626, 0.2736, 0.1616)
contains.

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Color

Yxy(12.2626, 0.2736, 0.1616)

Conversions

Conversions Part 1

Format	Color
Hex	8E3DB1
RGB	142, 61, 177
RGB Percent	56%, 24%, 69%
CMY	0.4430, 0.7608, 0.3060
CMYK	0.20, 0.66, 0.00, 0.31
HSL	282°, 49%, 47%
HSV	282°, 66%, 69%
XYZ	20.7614, 12.2626, 42.8584
YIQ	98.4430, 11.0400, 53.2480

Conversions

Conversions Part 2

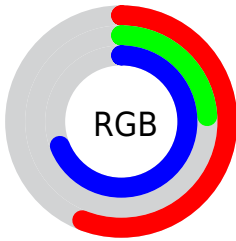
Format	Color
R_{YB}	142, 61, 177
Decimal	9321905
CIE _{Lab}	41.63, 52.72, -47.21
CIE _{LCh}	42, 70.765, 318.153
Yxy	12.2626, 0.2736, 0.1616
Android (android.graphics.Color)	4287511985 (0xFF8E3DB1)
YUV	98.4430, 38.7286, 38.1995
Hunter-Lab	35.0180, 44.5474, -48.0522

Details

The Yxy color **12.2626, 0.2736, 0.1616** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.2582, 0.3262, 0.5227**, and the grayscale version is **12.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0599, 0.2859, 0.1941**, and **3.5299, 0.2509, 0.1156** is the 20% darker color. If you saturate the color by 10%, you get **10.2150, 0.2655, 0.1422**, and if you desaturate by 10%, it is **14.9571, 0.2814, 0.1846**.

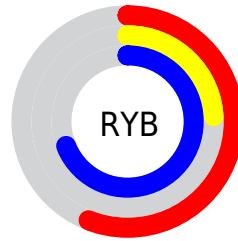
Distribution



Red (56%)

Green (24%)

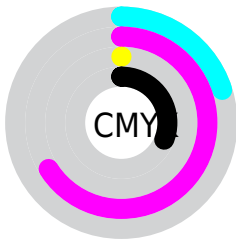
Blue (69%)



Red (56%)

Yellow (24%)

Blue (69%)

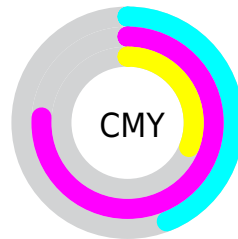


Cyan (20%)

Magenta (66%)

Yellow (0%)

Black (31%)



Cyan (44%)


Magenta (76%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2626, 0.2736, 0.1616 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 12.2626, 0.2736, 0.1616 by changing the saturation by 10% instead.


 12.2626, 0.2736,
0.1616


 12.2626, 0.2736,
0.1616


206.1361, 0.3001,
0.2487


 6.9228, 0.2642,
0.1401


 29.9725, 0.2852,
0.1934


 3.4139, 0.2505,
0.1133


 43.1113, 0.2889,
0.2054


 1.3514, 0.2293,
0.0803

 59.6187, 0.2919,
0.2155

 0.1805, 0.1986,
0.0221

 79.8788, 0.2942,
0.2241

 0.0000, 0.1195,
0.0000

 104.2763, 0.2961,
0.2315

 0.0000, 0.0000,
0.0000

133.1954, 0.2977,

0.2380

167.0205, 0.2990,
0.2437

■ 12.2626, 0.2736,
0.1616

■ 12.2626, 0.2736,
0.1616

■ 10.2150, 0.2655,
0.1422

■ 14.9571, 0.2814,
0.1846

■ 8.7484, 0.2574,
0.1272

■ 18.3526, 0.2887,
0.2100

■ 7.7824, 0.2496,
0.1168

■ 22.4993, 0.2954,
0.2368

■ 7.4322, 0.2461,
0.1130

■ 27.4421, 0.3013,
0.2638

■ 33.2225, 0.3063,
0.2903

■ 39.8790, 0.3106,
0.3156

■ 47.4475, 0.3142,
0.3394

■ 55.9622, 0.3172,
0.3613

■ 65.4554, 0.3195,
0.3814

Harmonies

Analogous

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



12.2626, 0.1667, 0.1359



12.2626, 0.2736, 0.1616



12.2626, 0.4296, 0.2161

Triad

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



12.2626, 0.2736, 0.1616



12.2626, 0.5263, 0.4670



12.2626, 0.1099, 0.2981

Complementary

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



12.2626, 0.2736, 0.1616



34.2582, 0.3262, 0.5227

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.



12.2626, 0.1753, 0.4916



12.2626, 0.2736, 0.1616



12.2626, 0.4121, 0.5731

Square

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



12.2626, 0.2736, 0.1616



12.2626, 0.5901, 0.3684



12.2626, 0.2865, 0.6165



12.2626, 0.0934, 0.1849

Rectangle

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



12.2626, 0.2736, 0.1616



12.2626, 0.5279, 0.2636



12.2626, 0.2865, 0.6165



12.2626, 0.1254, 0.3565

Sweetspot

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



12.2631, 0.2736, 0.1616



54.3484, 0.3040, 0.2777



12.8487, 0.2018, 0.1826



11.1743, 0.3026, 0.2704



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.



12.2631, 0.2736, 0.1616



16.9126, 0.2616, 0.1344



15.0723, 0.3496, 0.2044



8.5156, 0.3091, 0.3062



5.4188, 0.2470, 0.1134



0.1992, 0.2685, 0.1253

Inverse Universe

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



13.5251, 0.4569, 0.2821



19.8463, 0.5100, 0.2813



33.0423, 0.2922, 0.5036



8.5460, 0.3241, 0.3222



6.9704, 0.5722, 0.2926



0.2299, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 12.2626, 0.2736, 0.1616 looks on a white background.

Color Contrast Check

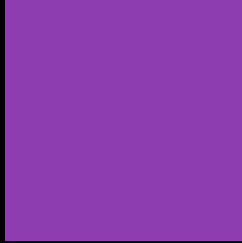
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2626, 0.2736, 0.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

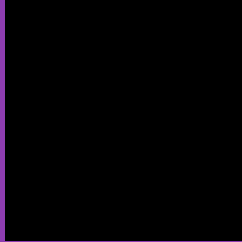
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2626, 0.2736, 0.1616

Background



This preview shows how black text looks on a background with the Yxy color 12.2626, 0.2736, 0.1616.



This preview shows how white text looks on a background with the Yxy color 12.2626, 0.2736, 0.1616.

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

12.2626, 0.2736, 0.1616

Protanopia

12.4487, 0.1742, 0.1470

Deuteranopia

12.5521, 0.1972, 0.1926



Tritanopia

12.2738, 0.3733, 0.3174

Trichromacy



Original Color

12.2626, 0.2736, 0.1616



Protanomaly

10.7668, 0.1843, 0.1404



Deuteranomaly

11.3782, 0.2131, 0.1710



Tritanomaly

11.9723, 0.3326, 0.2459

Monochromacy



Original Color

12.2626, 0.2736, 0.1616



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.6067, 0.2970, 0.2459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2626, 0.2736, 0.1616 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(142, 61, 177)` looks like.

```
.text, #text, p{  
    color:rgb(142, 61, 177)  
}
```

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(142, 61, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 61, 177) }
```

Border

The CSS property to change the border of an element to Yxy 12.2626, 0.2736, 0.1616 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(142, 61, 177) }
```

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

```
.border{ border-color:rgb(142, 61, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 61, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 61, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 61, 177);  
box-shadow:4px 4px 4px 4px rgb(142, 61,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2626, 0.2736, 0.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 61, 177) }
```

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

```
.background{ background-color: rgb(142, 61,  
177) }
```

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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