

Converting Colors

$Y_{xy}(11.5524, 0.2784, 0.1644)$

Have a look what the booklet for
Yxy(11.5524, 0.2784, 0.1644)
contains.

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Color

Yxy(11.6057, 0.2786, 0.1647)

Conversions

Conversions Part 1

Format	Color
Hex	8C3BAA
RGB	140, 59, 170
RGB Percent	55%, 23%, 67%
CMY	0.4510, 0.7685, 0.3334
CMYK	0.18, 0.65, 0.00, 0.33
HSL	284°, 48%, 45%
HSV	284°, 65%, 67%
XYZ	19.6317, 11.6057, 39.2283
YIQ	95.8730, 12.6450, 51.6930

Conversions

Conversions Part 2

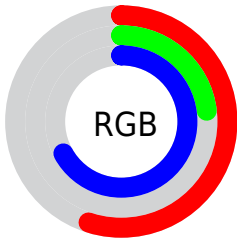
Format	Color
R_{YB}	140, 59, 170
Decimal	9190314
CIE _{Lab}	40.58, 51.67, -44.76
CIE _{LCh}	41, 68.358, 319.100
Yxy	11.6057, 0.2786, 0.1647
Android (android.graphics.Color)	4287380394 (0xFF8C3BAA)
YUV	95.8730, 36.5446, 38.6994
Hunter-Lab	34.0671, 43.2460, -44.4253

Details

The Yxy color **11.6057, 0.2786, 0.1647** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.1850, 0.3235, 0.5231**, and the grayscale version is **11.5743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8151, 0.2889, 0.1968**, and **3.2628, 0.2573, 0.1191** is the 20% darker color. If you saturate the color by 10%, you get **9.7427, 0.2714, 0.1458**, and if you desaturate by 10%, it is **14.0553, 0.2855, 0.1871**.

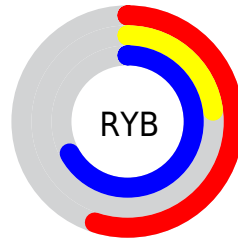
Distribution



Red (55%)

Green (23%)

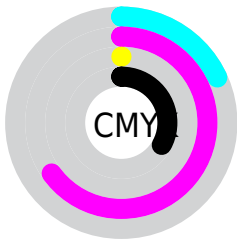
Blue (67%)



Red (55%)

Yellow (23%)

Blue (67%)

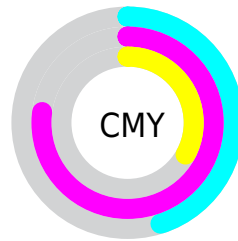


Cyan (18%)

Magenta (65%)

Yellow (0%)

Black (33%)



Cyan (45%)


Magenta (77%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6057, 0.2786, 0.1647 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 11.6057, 0.2786, 0.1647 by changing the saturation by 10% instead.


 11.6057, 0.2786,
0.1647


 11.6057, 0.2786,
0.1647


 201.7772, 0.3024,
0.2513


 6.4758, 0.2698,
0.1428


 28.7749, 0.2892,
0.1967


 3.1365, 0.2567,
0.1154


 41.5830, 0.2926,
0.2086

 1.2034, 0.2358,
0.0812


 57.7193, 0.2952,
0.2186

 0.0645, 0.2071,
0.0094

 77.5681, 0.2972,
0.2271

 0.0000, 0.1011,
0.0000

 101.5139, 0.2989,
0.2345

 0.0000, 0.0000,
0.0000

 129.9411, 0.3003,

0.2408

163.2340, 0.3014,
0.2464

■ 11.6057, 0.2786,
0.1647

■ 11.6057, 0.2786,
0.1647

■ 9.7427, 0.2714,
0.1458

■ 14.0553, 0.2855,
0.1871

■ 8.4069, 0.2642,
0.1312

■ 17.1401, 0.2920,
0.2121

■ 7.5267, 0.2571,
0.1211

■ 20.9053, 0.2978,
0.2384

■ 7.1889, 0.2538,
0.1172

■ 25.3913, 0.3029,
0.2650

■ 30.6356, 0.3073,
0.2912

■ 36.6729, 0.3110,
0.3163

■ 43.5358, 0.3141,
0.3399

■ 51.2548, 0.3166,
0.3618

■ 59.8593, 0.3186,
0.3819

Harmonies

Analogous

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



11.6057, 0.1709, 0.1382



11.6057, 0.2786, 0.1647



11.6057, 0.4330, 0.2197

Triad

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



11.6057, 0.2786, 0.1647



11.6057, 0.5218, 0.4702



11.6057, 0.1111, 0.2941

Complementary

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



11.6057, 0.2786, 0.1647



31.1850, 0.3235, 0.5231

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.



11.6057, 0.1746, 0.4825



11.6057, 0.2786, 0.1647



11.6057, 0.4082, 0.5732

Square

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



11.6057, 0.2786, 0.1647



11.6057, 0.5860, 0.3719



11.6057, 0.2841, 0.6105



11.6057, 0.0956, 0.1847

Rectangle

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



11.6057, 0.2786, 0.1647



11.6057, 0.5284, 0.2671



11.6057, 0.2841, 0.6105



11.6057, 0.1261, 0.3506

Sweetspot

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



11.6062, 0.2786, 0.1647



50.5804, 0.3052, 0.2780



11.2228, 0.2009, 0.1768



10.7126, 0.3039, 0.2708



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.



11.6062, 0.2786, 0.1647



16.5680, 0.2684, 0.1392



13.7483, 0.3552, 0.2094



7.5631, 0.3096, 0.3065



5.3177, 0.2545, 0.1176



0.1525, 0.2777, 0.1303

Inverse Universe

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



12.3963, 0.4623, 0.2874



18.5234, 0.5151, 0.2869



30.3001, 0.2901, 0.4955



7.5744, 0.3245, 0.3229



6.4397, 0.5822, 0.2981



0.1650, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 11.6057, 0.2786, 0.1647 looks on a white background.

Color Contrast Check

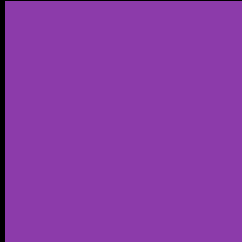
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6057, 0.2786, 0.1647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

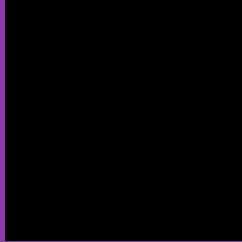
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6057, 0.2786, 0.1647

Background



This preview shows how black text looks on a background with the Yxy color 11.6057, 0.2786, 0.1647.



This preview shows how white text looks on a background with the Yxy color 11.6057, 0.2786, 0.1647.

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

11.6057, 0.2786, 0.1647

Protanopia

11.8599, 0.1744, 0.1478

Deuteranopia

11.8221, 0.2010, 0.1963



Tritanopia

11.6680, 0.3784, 0.3173

Trichromacy



Original Color

11.6057, 0.2786, 0.1647



Protanomaly

10.1765, 0.1851, 0.1419



Deuteranomaly

10.6890, 0.2174, 0.1738



Tritanomaly

11.2696, 0.3380, 0.2480

Monochromacy



Original Color

11.6057, 0.2786, 0.1647



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.0613, 0.2995, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6057, 0.2786, 0.1647 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(140, 59, 170)` looks like.

```
.text, #text, p{  
  color:rgb(140, 59, 170)  
}
```

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(140, 59, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 59, 170) }
```

Border

The CSS property to change the border of an element to Yxy 11.6057, 0.2786, 0.1647 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(140, 59, 170) }
```

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

```
.border{ border-color:rgb(140, 59, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 59, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 59, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 59, 170);  
box-shadow:4px 4px 4px 4px rgb(140, 59,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6057, 0.2786, 0.1647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 59, 170) }
```

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

```
.background{ background-color: rgb(140, 59,  
170) }
```

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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