

Converting Colors

$Y_{xy}(15.7516, 0.2788, 0.1926)$

Have a look what the booklet for
Yxy(15.7516, 0.2788, 0.1926)
contains.

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Color

Yxy(15.8496, 0.2790, 0.1927)

Conversions

Conversions Part 1

Format	Color
Hex	9156B1
RGB	145, 86, 177
RGB Percent	57%, 34%, 69%
CMY	0.4312, 0.6629, 0.3058
CMYK	0.18, 0.51, 0.00, 0.31
HSL	279°, 37%, 52%
HSV	279°, 51%, 69%
XYZ	22.9478, 15.8496, 43.4527
YIQ	114.0150, 5.9530, 40.8090

Conversions

Conversions Part 2

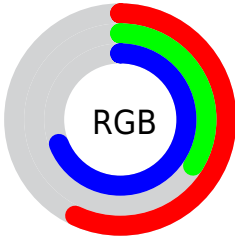
Format	Color
RYB	145, 86, 177
Decimal	9524913
CIELab	46.78, 40.75, -39.01
CIELCh	47, 56.416, 316.250
Yxy	15.8496, 0.2790, 0.1927
Android (android.graphics.Color)	4287714993 (0xFF9156B1)
YUV	114.0150, 31.0516, 27.1738
Hunter-Lab	39.8116, 33.2190, -36.8446

Details

The Yxy color **15.8496, 0.2790, 0.1927** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **35.9694, 0.3304, 0.4779**, and the grayscale version is **16.7356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4777, 0.2885, 0.2198**, and **5.0537, 0.2613, 0.1515** is the 20% darker color. If you saturate the color by 10%, you get **12.8166, 0.2700, 0.1677**, and if you desaturate by 10%, it is **19.6147, 0.2874, 0.2196**.

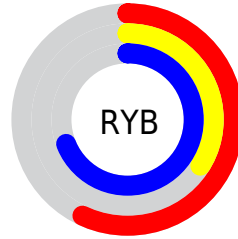
Distribution



Red (57%)

Green (34%)

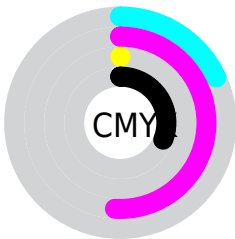
Blue (69%)



Red (57%)

Yellow (34%)

Blue (69%)

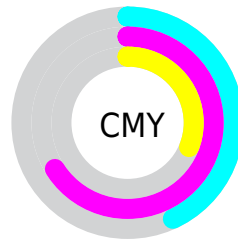


Cyan (18%)

Magenta (51%)

Yellow (0%)

Black (31%)



Cyan (43%)


Magenta (66%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8496, 0.2790, 0.1927 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 15.8496, 0.2790, 0.1927 by changing the saturation by 10% instead.


 15.8496, 0.2790,
0.1927


 15.8496, 0.2790,
0.1927


228.4526, 0.3006,
0.2641


 9.4178, 0.2718,
0.1744


 36.3369, 0.2881,
0.2192


 5.0147, 0.2613,
0.1510


 51.1612, 0.2912,
0.2290

 2.2559, 0.2452,
0.1206

 69.5518, 0.2936,
0.2372

 0.7502, 0.2188,
0.0805

 91.8930, 0.2955,
0.2442

 0.0000, 0.1748,
0.0000

 118.5693, 0.2971,
0.2503

 0.0000, 0.0000,
0.0000

149.9651, 0.2985,

0.2555

186.4647, 0.2996,
0.2601

■ 15.8496, 0.2790,
0.1927

■ 15.8496, 0.2790,
0.1927

■ 12.8166, 0.2700,
0.1677

■ 19.6147, 0.2874,
0.2196

■ 10.4605, 0.2606,
0.1457

■ 24.1576, 0.2949,
0.2472

■ 8.7215, 0.2512,
0.1278

■ 29.5227, 0.3015,
0.2745

■ 7.5276, 0.2420,
0.1147

■ 35.7503, 0.3073,
0.3008

■ 6.8102, 0.2345,
0.1065

■ 42.8779, 0.3121,
0.3256

■ 50.9411, 0.3161,
0.3486

■ 59.9731, 0.3195,
0.3696

■ 70.0058, 0.3222,
0.3888

■ 81.0695, 0.3243,
0.4060

Harmonies

Analogous

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



15.8496, 0.1941, 0.1723



15.8496, 0.2790, 0.1927



15.8496, 0.3937, 0.2382

Triad

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



15.8496, 0.2790, 0.1927



15.8496, 0.4928, 0.4484



15.8496, 0.1557, 0.3201

Complementary

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



15.8496, 0.2790, 0.1927



35.9694, 0.3304, 0.4779

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.



15.8496, 0.2177, 0.4516



15.8496, 0.2790, 0.1927



15.8496, 0.4113, 0.5183

Square

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



15.8496, 0.2790, 0.1927



15.8496, 0.5297, 0.3721



15.8496, 0.3119, 0.5355



15.8496, 0.1343, 0.2254

Rectangle

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



15.8496, 0.2790, 0.1927



15.8496, 0.4663, 0.2788



15.8496, 0.3119, 0.5355



15.8496, 0.1717, 0.3625

Sweetspot

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



15.8502, 0.2790, 0.1927



59.5639, 0.3052, 0.2909



18.4305, 0.2272, 0.2274



12.4111, 0.3040, 0.2855



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.



15.8502, 0.2790, 0.1927



22.1833, 0.2685, 0.1638



18.7123, 0.3338, 0.2211



8.4945, 0.3083, 0.3062



4.9681, 0.2354, 0.1070



0.1874, 0.2599, 0.1205

Inverse Universe

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



17.3068, 0.4041, 0.2828



25.4020, 0.4378, 0.2751



34.3116, 0.2977, 0.4691



8.5529, 0.3234, 0.3210



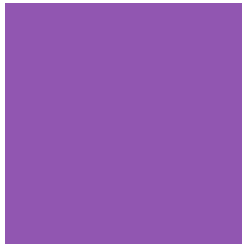
7.0361, 0.5536, 0.2824



0.2327, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 15.8496, 0.2790, 0.1927 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 15.8496, 0.2790, 0.1927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

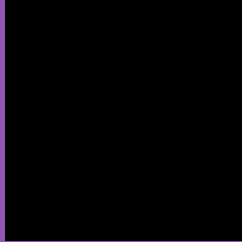
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8496, 0.2790, 0.1927

Background



This preview shows how black text looks on a background with the Yxy color 15.8496, 0.2790, 0.1927.



This preview shows how white text looks on a background with the Yxy color 15.8496, 0.2790, 0.1927.

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

15.8496, 0.2790, 0.1927

Protanopia

16.0676, 0.2009, 0.1792

Deuteranopia

16.0529, 0.2229, 0.2177



Tritanopia

15.7794, 0.3497, 0.3143

Trichromacy



Original Color

15.8496, 0.2790, 0.1927

Protanomaly

15.3734, 0.2214, 0.1812

Deuteranomaly

15.5018, 0.2392, 0.2048

Tritanomaly

15.5759, 0.3229, 0.2628

Monochromacy



Original Color

15.8496, 0.2790, 0.1927

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.0667, 0.2997, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8496, 0.2790, 0.1927 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(145, 86, 177)` looks like.

```
.text, #text, p{  
    color:rgb(145, 86, 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(145, 86, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 86, 177) }
```

Border

The CSS property to change the border of an element to Yxy 15.8496, 0.2790, 0.1927 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(145, 86, 177) }
```

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

```
.border{ border-color:rgb(145, 86, 177) }
```

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

Here you see how a box with a 4 pixel rgb(145, 86, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 86, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 86, 177);  
box-shadow:4px 4px 4px 4px rgb(145, 86,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8496, 0.2790, 0.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 86, 177) }
```

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

```
.background{ background-color: rgb(145, 86,  
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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