

Converting Colors

$Y_{xy}(15.2409, 0.2943, 0.2200)$

Have a look what the booklet for
Yxy(15.2409, 0.2943, 0.2200)
contains.

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Color

Yxy(15.2356, 0.2938, 0.2196)

Conversions

Conversions Part 1

Format	Color
Hex	8B5A9D
RGB	139, 90, 157
RGB Percent	55%, 35%, 62%
CMY	0.4551, 0.6470, 0.3844
CMYK	0.11, 0.43, 0.00, 0.38
HSL	284°, 27%, 48%
HSV	284°, 43%, 62%
XYZ	20.3835, 15.2356, 33.7598
YIQ	112.2890, 7.6970, 31.2250

Conversions

Conversions Part 2

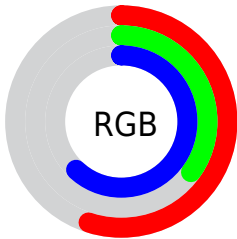
Format	Color
R _Y B	139, 90, 157
Decimal	9132701
CIE Lab	45.96, 32.24, -28.55
CIE LCh	46, 43.059, 318.473
Yxy	15.2356, 0.2938, 0.2196
Android (android.graphics.Color)	4287322781 (0xFF8B5A9D)
YUV	112.2890, 22.0425, 23.4255
Hunter-Lab	39.0328, 24.9079, -23.9574

Details

The Yxy color **15.2356, 0.2938, 0.2196** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.0407, 0.3232, 0.4511**, and the grayscale version is **16.2253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2726, 0.2996, 0.2421**, and **4.7021, 0.2822, 0.1816** is the 20% darker color. If you saturate the color by 10%, you get **12.5041, 0.2876, 0.1943**, and if you desaturate by 10%, it is **18.5418, 0.2994, 0.2459**.

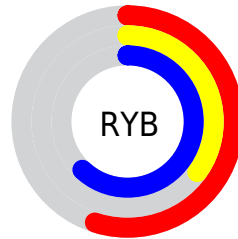
Distribution



Red (55%)

Green (35%)

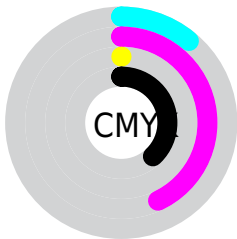
Blue (62%)



Red (55%)

Yellow (35%)

Blue (62%)

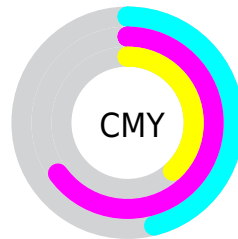


Cyan (11%)

Magenta (43%)

Yellow (0%)

Black (38%)



Cyan (46%)


Magenta (65%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2356, 0.2938, 0.2196 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 15.2356, 0.2938, 0.2196 by changing the saturation by 10% instead.


 15.2356, 0.2938,
0.2196


 15.2356, 0.2938,
0.2196


224.7878, 0.3064,
0.2791

 8.9849, 0.2892,
0.2033


 35.2660, 0.2993,
0.2424


 4.7313, 0.2823,
0.1815


 49.8144, 0.3011,
0.2506


 2.0905, 0.2708,
0.1516

 67.8976, 0.3025,
0.2574

 0.6593, 0.2506,
0.1064

 89.8999, 0.3036,
0.2631

 0.0000, 0.1827,
0.0000

 116.2056, 0.3045,
0.2680

 0.0000, 0.0000,
0.0000

147.1993, 0.3053,

0.2722

183.2652, 0.3059,
0.2759

■ 15.2356, 0.2938,
0.2196

■ 15.2356, 0.2938,
0.2196

■ 12.5041, 0.2876,
0.1943

■ 18.5418, 0.2994,
0.2459

■ 10.3098, 0.2809,
0.1712

■ 22.4534, 0.3042,
0.2724

■ 8.6135, 0.2738,
0.1513

■ 27.0011, 0.3084,
0.2981

■ 7.3698, 0.2667,
0.1354

■ 32.2129, 0.3119,
0.3227

■ 6.5250, 0.2596,
0.1240

■ 38.1153, 0.3148,
0.3458

6.0599, 0.2545,
0.1176

44.7331, 0.3171,
0.3671

52.0901, 0.3190,
0.3865

60.2087, 0.3205,
0.4043

69.1106, 0.3216,
0.4203

Harmonies

Analogous

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



15.2356, 0.2216, 0.2008



15.2356, 0.2938, 0.2196



15.2356, 0.3834, 0.2598

Triad

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



15.2356, 0.2938, 0.2196



15.2356, 0.4572, 0.4374



15.2356, 0.1840, 0.3185

Complementary

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



15.2356, 0.2938, 0.2196



28.0407, 0.3232, 0.4511

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.



15.2356, 0.2351, 0.4143



15.2356, 0.2938, 0.2196



15.2356, 0.3926, 0.4834

Square

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



15.2356, 0.2938, 0.2196



15.2356, 0.4847, 0.3760



15.2356, 0.3115, 0.4820



15.2356, 0.1660, 0.2452

Rectangle

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



15.2356, 0.2938, 0.2196



15.2356, 0.4373, 0.2952



15.2356, 0.3115, 0.4820



15.2356, 0.1974, 0.3498

Sweetspot

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



15.2362, 0.2938, 0.2196



47.8452, 0.3082, 0.2966



15.5460, 0.2412, 0.2378



10.1387, 0.3074, 0.2914



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



15.2362, 0.2938, 0.2196



22.6950, 0.2880, 0.1960



16.4513, 0.3370, 0.2466



6.6647, 0.3097, 0.3067



4.9413, 0.2550, 0.1178



0.1077, 0.2830, 0.1333

Inverse Universe

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



15.5677, 0.3900, 0.2995



23.5018, 0.4166, 0.2936



27.2957, 0.2955, 0.4291



6.6740, 0.3244, 0.3230



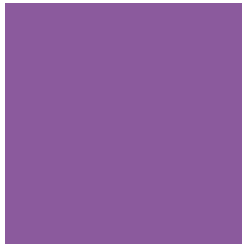
5.9647, 0.5818, 0.2979



0.1131, 0.4818, 0.2428

Previews

White Background



This preview shows how the Yxy color 15.2356, 0.2938, 0.2196 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 15.2356, 0.2938, 0.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

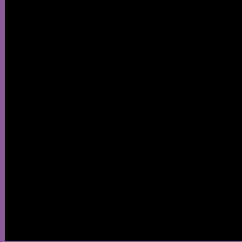
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2356, 0.2938, 0.2196

Background



This preview shows how black text looks on a background with the Yxy color 15.2356, 0.2938, 0.2196.



This preview shows how white text looks on a background with the Yxy color 15.2356, 0.2938, 0.2196.

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

15.2356, 0.2938, 0.2196

Protanopia

15.3870, 0.2260, 0.2126

Deuteranopia

15.3854, 0.2462, 0.2411



Tritanopia

15.3170, 0.3471, 0.3140

Trichromacy



Original Color

15.2356, 0.2938, 0.2196

Protanomaly

15.0638, 0.2463, 0.2137

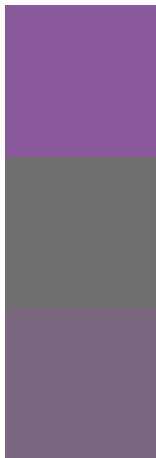
Deuteranomaly

14.9889, 0.2616, 0.2306

Tritanomaly

15.2066, 0.3281, 0.2767

Monochromacy



Original Color

15.2356, 0.2938, 0.2196

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5967, 0.3067, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2356, 0.2938, 0.2196 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(139, 90, 157)` looks like.

```
.text, #text, p{  
    color:rgb(139, 90, 157)  
}
```

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(139, 90, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 90, 157) }
```

Border

The CSS property to change the border of an element to Yxy 15.2356, 0.2938, 0.2196 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(139, 90, 157) }
```

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

```
.border{ border-color:rgb(139, 90, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 90, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 90, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 90, 157);  
box-shadow:4px 4px 4px 4px rgb(139, 90,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2356, 0.2938, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 90, 157) }
```

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

```
.background{ background-color: rgb(139, 90,  
157) }
```

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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