

Converting Colors

$Y_{xy}(15.6023, 0.2278, 0.1309)$

Have a look what the booklet for
Yxy(15.6023, 0.2278, 0.1309)
contains.

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Color

Yxy(15.5825, 0.2276, 0.1308)

Conversions

Conversions Part 1

Format	Color
Hex	8B46E6
RGB	139, 70, 230
RGB Percent	55%, 27%, 90%
CMY	0.4550, 0.7254, 0.0981
CMYK	0.40, 0.70, 0.00, 0.10
HSL	266°, 76%, 59%
HSV	266°, 70%, 90%
XYZ	27.1145, 15.5825, 76.4353
YIQ	108.8710, -10.2360, 64.3880

Conversions

Conversions Part 2

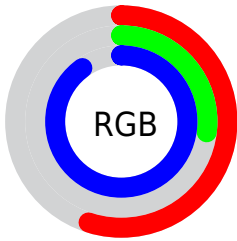
Format	Color
R_{YB}	139, 70, 230
Decimal	9127654
CIE _{Lab}	46.42, 60.09, -70.13
CIE _{LCh}	46, 92.348, 310.592
Yxy	15.5825, 0.2276, 0.1308
Android (android.graphics.Color)	4287317734 (0xFF8B46E6)
YUV	108.8710, 59.7166, 26.4231
Hunter-Lab	39.4747, 53.5280, -87.1716

Details

The Yxy color **15.5825, 0.2276, 0.1308** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **64.6153, 0.3538, 0.5183**, and the grayscale version is **15.0869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3917, 0.2685, 0.1852**, and **4.8748, 0.1953, 0.0876** is the 20% darker color. If you saturate the color by 10%, you get **12.1746, 0.2132, 0.1087**, and if you desaturate by 10%, it is **20.2275, 0.2425, 0.1574**.

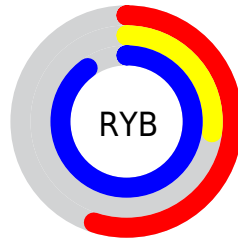
Distribution



Red (55%)

Green (27%)

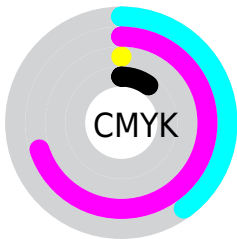
Blue (90%)



Red (55%)

Yellow (27%)

Blue (90%)

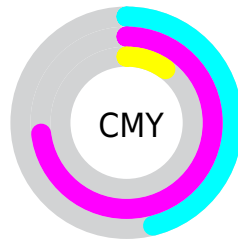


Cyan (40%)

Magenta (70%)

Yellow (0%)

Black (10%)



Cyan (46%)


Magenta (73%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5825, 0.2276, 0.1308 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 15.5825, 0.2276, 0.1308 by changing the saturation by 10% instead.


 15.5825, 0.2276,
0.1308


 15.5825, 0.2276,
0.1308


226.8654, 0.2777,
0.2247


 9.2292, 0.2136,
0.1108


 35.8719, 0.2471,
0.1627


 4.8910, 0.1953,
0.0876


 50.5767, 0.2541,
0.1754

 2.1834, 0.1710,
0.0615


 68.8343, 0.2599,
0.1865

 0.7109, 0.1384,
0.0336

 91.0288, 0.2647,
0.1961

 0.0000, 0.0965,
0.0000

 117.5448, 0.2687,
0.2046

 0.0000, 0.0068,
0.0000

148.7666, 0.2722,

 0.0000, 0.0000,

0.2121

0.0000

185.0787, 0.2752,
0.2188

■ 15.5825, 0.2276,
0.1308

■ 15.5825, 0.2276,
0.1308

■ 12.1746, 0.2132,
0.1087

■ 20.2275, 0.2425,
0.1574

■ 9.8640, 0.2001,
0.0923

■ 26.2252, 0.2571,
0.1869

■ 8.4273, 0.1887,
0.0815

■ 33.6789, 0.2709,
0.2176


■ 8.3715, 0.1883,
0.0811

■ 42.6815, 0.2836,
0.2482

■ 53.3176, 0.2949,
0.2775

 65.6659, 0.3047,
0.3049

 79.7995, 0.3131,
0.3301

 95.7876, 0.3202,
0.3528

 98.4927, 0.3274,
0.3532

Harmonies

Analogous

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



15.5825, 0.1274, 0.1116



15.5825, 0.2276, 0.1308



15.5825, 0.3997, 0.1813

Triad

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



15.5825, 0.2276, 0.1308



15.5825, 0.5679, 0.4321



15.5825, 0.0932, 0.3371

Complementary

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



15.5825, 0.2276, 0.1308



64.6153, 0.3538, 0.5183

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.



15.5825, 0.1738, 0.5911



15.5825, 0.2276, 0.1308



15.5825, 0.4387, 0.5613

Square

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



15.5825, 0.2276, 0.1308



15.5825, 0.6351, 0.3336



15.5825, 0.2989, 0.6712



15.5825, 0.0698, 0.1817

Rectangle

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



15.5825, 0.2276, 0.1308



15.5825, 0.5279, 0.2292



15.5825, 0.2989, 0.6712



15.5825, 0.1128, 0.4189

Sweetspot

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



15.5830, 0.2276, 0.1308



65.1348, 0.2932, 0.2730



33.3323, 0.2096, 0.2331



13.1170, 0.2901, 0.2650



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.5830, 0.2276, 0.1308



14.0873, 0.2079, 0.1015



24.7972, 0.3059, 0.1686



14.1893, 0.3047, 0.3052



4.8089, 0.1899, 0.0820



0.4093, 0.2062, 0.0910

Inverse Universe

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



23.7816, 0.4077, 0.2350



25.6863, 0.4361, 0.2296



58.8873, 0.3075, 0.5487



14.5048, 0.3204, 0.3157



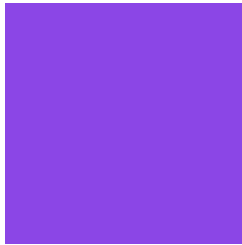
10.4752, 0.4664, 0.2343



0.7926, 0.4393, 0.2194

Previews

White Background



This preview shows how the Yxy color 15.5825, 0.2276, 0.1308 looks on a white background.

Color Contrast Check

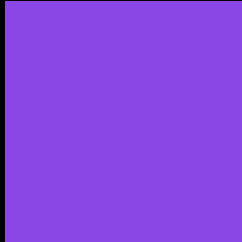
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5825, 0.2276, 0.1308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

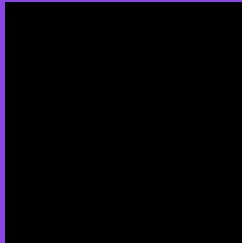
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5825, 0.2276, 0.1308

Background



This preview shows how black text looks on a background with the Yxy color 15.5825, 0.2276, 0.1308.



This preview shows how white text looks on a background with the Yxy color 15.5825, 0.2276, 0.1308.

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

15.5825, 0.2276, 0.1308

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.7504, 0.1846, 0.1845



Tritanopia

15.5635, 0.3108, 0.3130

Trichromacy



Original Color

15.5825, 0.2276, 0.1308



Protanomaly

14.0235, 0.1782, 0.1314



Deuteranomaly

13.8073, 0.1845, 0.1496



Tritanomaly

14.6507, 0.2738, 0.2197

Monochromacy



Original Color

15.5825, 0.2276, 0.1308



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4774, 0.2745, 0.2260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5825, 0.2276, 0.1308 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, 70, 230)` looks like.

```
.text, #text, p{  
  color:rgb(139, 70, 230)  
}
```

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, 70, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 70, 230) }
```

Border

The CSS property to change the border of an element to Yxy 15.5825, 0.2276, 0.1308 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, 70, 230) }
```

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

```
.border{ border-color:rgb(139, 70, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 70, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 70, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 70, 230);  
box-shadow:4px 4px 4px 4px rgb(139, 70,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5825, 0.2276, 0.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 70, 230) }
```

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

```
.background{ background-color: rgb(139, 70,  
230) }
```

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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