

Converting Colors

$Y_{xy}(22.6009, 0.2627, 0.1673)$

Have a look what the booklet for
Yxy(22.6009, 0.2627, 0.1673)
contains.

Yxy(22.6028, 0.2622, 0.1668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6028, 0.2622, 0.1668)

Conversions

Conversions Part 1

Format	Color
Hex	AD5EE6
RGB	173, 94, 230
RGB Percent	68%, 37%, 90%
CMY	0.3214, 0.6315, 0.0979
CMYK	0.25, 0.59, 0.00, 0.10
HSL	275°, 73%, 64%
HSV	275°, 59%, 90%
XYZ	35.5303, 22.6028, 77.3753
YIQ	133.1250, 3.4280, 59.0440

Conversions

Conversions Part 2

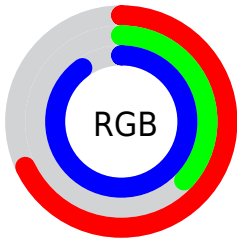
Format	Color
R_{YB}	173, 94, 230
Decimal	11362022
CIE Lab	54.66, 55.61, -56.65
CIE LCh	55, 79.381, 314.472
Yxy	22.6028, 0.2622, 0.1668
Android (android.graphics.Color)	4289552102 (0xFFAD5EE6)
YUV	133.1250, 47.7594, 34.9704
Hunter-Lab	47.5424, 50.2008, -63.2148

Details

The Yxy color **22.6028, 0.2622, 0.1668** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **63.9922, 0.3372, 0.5010**, and the grayscale version is **23.3238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3887, 0.2974, 0.2192**, and **8.2866, 0.2411, 0.1281** is the 20% darker color. If you saturate the color by 10%, you get **18.0469, 0.2509, 0.1427**, and if you desaturate by 10%, it is **28.4580, 0.2731, 0.1938**.

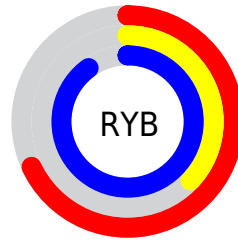
Distribution



Red (68%)

Green (37%)

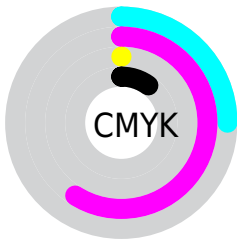
Blue (90%)



Red (68%)

Yellow (37%)

Blue (90%)

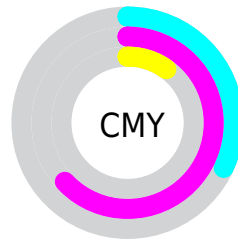


Cyan (25%)

Magenta (59%)

Yellow (0%)

Black (10%)



Cyan (32%)

Magenta (63%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6028, 0.2622, 0.1668 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 22.6028, 0.2622, 0.1668 by changing the saturation by 10% instead.


 22.6028, 0.2622,
0.1668


 22.6028, 0.2622,
0.1668


265.6783, 0.2922,
0.2438


 14.3005, 0.2536,
0.1496


 47.7403, 0.2740,
0.1934

 8.3300, 0.2421,
0.1289


 65.3443, 0.2782,
0.2038

 4.3068, 0.2261,
0.1041


 86.8176, 0.2816,
0.2128

 1.8466, 0.2034,
0.0746

 112.5447, 0.2845,
0.2207

 0.5160, 0.1704,
0.0382

142.9099, 0.2869,
0.2275

 0.0000, 0.1216,
0.0000

178.2976, 0.2889,

 0.0000, 0.0000,

0.2336

0.0000

219.0923, 0.2907,
0.2390

■ 22.6028, 0.2622,
0.1668

■ 22.6028, 0.2622,
0.1668

■ 18.0469, 0.2509,
0.1427

■ 28.4580, 0.2731,
0.1938

■ 14.6741, 0.2395,
0.1228

■ 35.7098, 0.2832,
0.2224

■ 12.3511, 0.2287,
0.1080


■ 44.4489, 0.2924,
0.2513


■ 10.8682, 0.2186,
0.0981


■ 54.7574, 0.3004,
0.2794


■ 10.7587, 0.2178,
0.0973

■ 66.7112, 0.3073,
0.3061

 80.3814, 0.3132,
0.3310

 95.8347, 0.3181,
0.3539

 97.5799, 0.3242,
0.3534

 98.4949, 0.3273,
0.3532

Harmonies

Analogous

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



22.6028, 0.1671, 0.1455



22.6028, 0.2622, 0.1668



22.6028, 0.4024, 0.2162

Triad

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



22.6028, 0.2622, 0.1668



22.6028, 0.5242, 0.4505



22.6028, 0.1278, 0.3216

Complementary

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



22.6028, 0.2622, 0.1668



63.9922, 0.3372, 0.5010

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.



22.6028, 0.1984, 0.4971



22.6028, 0.2622, 0.1668



22.6028, 0.4241, 0.5460

Square

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



22.6028, 0.2622, 0.1668



22.6028, 0.5744, 0.3623



22.6028, 0.3079, 0.5932



22.6028, 0.1051, 0.2051

Rectangle

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



22.6028, 0.2622, 0.1668



22.6028, 0.4960, 0.2610



22.6028, 0.3079, 0.5932



22.6028, 0.1455, 0.3775

Sweetspot

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



22.6037, 0.2622, 0.1668



70.6650, 0.3012, 0.2823



30.8508, 0.2157, 0.2198



14.2507, 0.2990, 0.2742



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.



22.6037, 0.2622, 0.1668



21.7162, 0.2483, 0.1378



30.0453, 0.3284, 0.1986



14.2988, 0.3071, 0.3054



6.1626, 0.2193, 0.0982



0.5097, 0.2337, 0.1061

Inverse Universe

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



27.0595, 0.4159, 0.2665



28.3454, 0.4505, 0.2597



59.9685, 0.3000, 0.5087



14.4676, 0.3227, 0.3192



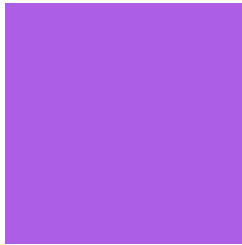
10.0288, 0.5295, 0.2691



0.7593, 0.4919, 0.2483

Previews

White Background



This preview shows how the Yxy color 22.6028, 0.2622, 0.1668 looks on a white background.

Color Contrast Check

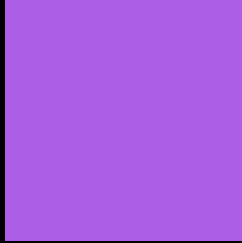
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.6028, 0.2622, 0.1668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

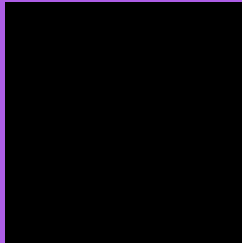
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6028, 0.2622, 0.1668

Background



This preview shows how black text looks on a background with the Yxy color 22.6028, 0.2622, 0.1668.



This preview shows how white text looks on a background with the Yxy color 22.6028, 0.2622, 0.1668.

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

22.6028, 0.2622, 0.1668

Protanopia

23.1556, 0.1833, 0.1566

Deuteranopia

22.9003, 0.1988, 0.1928



Tritanopia

22.3814, 0.3446, 0.3129

Trichromacy



Original Color

22.6028, 0.2622, 0.1668

Protanomaly

21.4567, 0.1992, 0.1543

Deuteranomaly

21.3362, 0.2129, 0.1762

Tritanomaly

21.8403, 0.3106, 0.2462

Monochromacy



Original Color

22.6028, 0.2622, 0.1668

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.3167, 0.2934, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6028, 0.2622, 0.1668 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(173, 94, 230)` looks like.

```
.text, #text, p{  
    color:rgb(173, 94, 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(173, 94, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 94, 230) }
```

Border

The CSS property to change the border of an element to Yxy 22.6028, 0.2622, 0.1668 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(173, 94, 230) }
```

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

```
.border{ border-color:rgb(173, 94, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 94, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 94, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 94, 230);  
box-shadow:4px 4px 4px 4px rgb(173, 94,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6028, 0.2622, 0.1668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 94, 230) }
```

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

```
.background{ background-color: rgb(173, 94,  
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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