

Converting Colors

$Y_{xy}(22.8078, 0.3032, 0.2462)$

Have a look what the booklet for
Yxy(22.8078, 0.3032, 0.2462)
contains.

| | |
|--|----|
| Yxy(22.7136, 0.3028, 0.2450) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(22.7136, 0.3028, 0.2450)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A073AC |
| RGB | 160, 115, 172 |
| RGB Percent | 63%, 45%, 67% |
| CMY | 0.3726, 0.5490, 0.3256 |
| CMYK | 0.07, 0.33, 0.00, 0.33 |
| HSL | 287°, 26%, 56% |
| HSV | 287°, 33%, 67% |
| XYZ | 28.0722, 22.7136, 41.9228 |
| YIQ | 134.9530, 8.5230, 27.2670 |

Conversions

Conversions Part 2

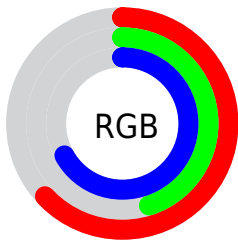
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 160, 115, 172 |
| Decimal | 10515372 |
| CIELab | 54.78, 27.91, -23.47 |
| CIELCh | 55, 36.466, 319.936 |
| Yxy | 22.7136, 0.3028, 0.2450 |
| Android (android.graphics.Color) | 4288705452 (0xFFA073AC) |
| YUV | 134.9530, 18.2642, 21.9662 |
| Hunter-Lab | 47.6588, 21.7379, -18.7930 |

Details

The Yxy color **22.7136, 0.3028, 0.2450** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.2457, 0.3186, 0.4223**, and the grayscale version is **24.1393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0538, 0.3048, 0.2614**, and **8.4406, 0.2973, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **18.7838, 0.2986, 0.2193**, and if you desaturate by 10%, it is **27.3879, 0.3064, 0.2711**.

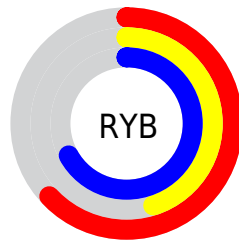
Distribution



Red (63%)

Green (45%)

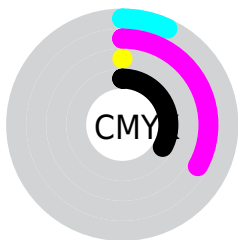
Blue (67%)



Red (63%)

Yellow (45%)

Blue (67%)

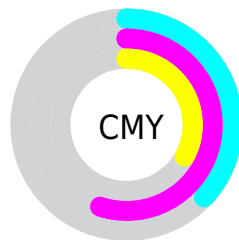


Cyan (7%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (37%)


Magenta (55%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7136, 0.3028, 0.2450 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 22.7136, 0.3028, 0.2450 by changing the saturation by 10% instead.


 22.7136, 0.3028,
0.2450


 22.7136, 0.3028,
0.2450


266.2506, 0.3093,
0.2891


 14.3822, 0.3006,
0.2334


 47.9226, 0.3056,
0.2615

 8.3870, 0.2973,
0.2182


 65.5690, 0.3065,
0.2675

 4.3435, 0.2921,
0.1975


 87.0892, 0.3072,
0.2726

 1.8675, 0.2831,
0.1680

 112.8675, 0.3078,
0.2769

 0.5287, 0.2680,
0.1150

143.2885, 0.3083,
0.2806

 0.0000, 0.1151,
0.0000

178.7363, 0.3087,

 0.0000, 0.0000,

0.2838

0.0000

219.5956, 0.3090,
0.2866

■ 22.7136, 0.3028,
0.2450

■ 22.7136, 0.3028,
0.2450

■ 18.7838, 0.2986,
0.2193

■ 27.3879, 0.3064,
0.2711

■ 15.5548, 0.2939,
0.1949

■ 32.8414, 0.3095,
0.2968

■ 12.9825, 0.2888,
0.1730

■ 39.1103, 0.3120,
0.3216


■ 11.0170, 0.2833,
0.1545


■ 46.2276, 0.3141,
0.3448

■ 9.6009, 0.2778,
0.1402

■ 54.2243, 0.3157,
0.3665


 8.6653, 0.2722,
0.1303

 63.1300, 0.3169,
0.3864

 8.1965, 0.2685,
0.1253

 72.9729, 0.3179,
0.4045

 83.7799, 0.3186,
0.4209

 85.7755, 0.3206,
0.4225

Harmonies

Analogous

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



22.7136, 0.2458, 0.2294



22.7136, 0.3028, 0.2450



22.7136, 0.3691, 0.2781

Triad

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



22.7136, 0.3028, 0.2450



22.7136, 0.4224, 0.4177



22.7136, 0.2129, 0.3204

Complementary

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



22.7136, 0.3028, 0.2450



35.2457, 0.3186, 0.4223

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.



22.7136, 0.2530, 0.3876



22.7136, 0.3028, 0.2450



22.7136, 0.3739, 0.4457

Square

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



22.7136, 0.3028, 0.2450



22.7136, 0.4419, 0.3722



22.7136, 0.3117, 0.4374



22.7136, 0.1984, 0.2654

Rectangle

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



22.7136, 0.3028, 0.2450



22.7136, 0.4076, 0.3071



22.7136, 0.3117, 0.4374



22.7136, 0.2236, 0.3426

Sweetspot

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



22.7146, 0.3028, 0.2450



62.7918, 0.3103, 0.3043



21.8929, 0.2572, 0.2542



13.3227, 0.3099, 0.3009



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.



22.7146, 0.3028, 0.2450



35.6852, 0.2997, 0.2254



23.4263, 0.3351, 0.2695



8.0618, 0.3105, 0.3064



6.1253, 0.2690, 0.1256



0.1915, 0.2857, 0.1347

Inverse Universe

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



22.5636, 0.3718, 0.3110



35.4559, 0.3918, 0.3069



34.7848, 0.2960, 0.3972



8.0419, 0.3255, 0.3243



6.6291, 0.6012, 0.3085



0.1921, 0.5212, 0.2645

Previews

White Background



This preview shows how the Yxy color 22.7136, 0.3028, 0.2450 looks on a white background.

Color Contrast Check

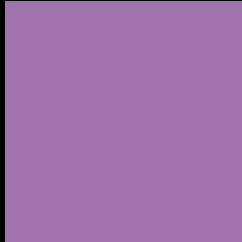
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7136, 0.3028, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

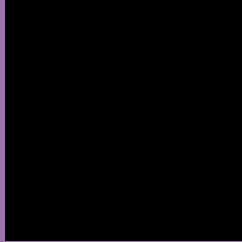
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7136, 0.3028, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 22.7136, 0.3028, 0.2450.



This preview shows how white text looks on a background with the Yxy color 22.7136, 0.3028, 0.2450.

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

22.7136, 0.3028, 0.2450

Protanopia

23.0290, 0.2494, 0.2434

Deuteranopia

22.8502, 0.2684, 0.2630



Tritanopia

22.7019, 0.3404, 0.3145

Trichromacy



Original Color

22.7136, 0.3028, 0.2450

Protanomaly

22.7472, 0.2661, 0.2438

Deuteranomaly

22.6359, 0.2800, 0.2557

Tritanomaly

22.6074, 0.3256, 0.2865

Monochromacy



Original Color

22.7136, 0.3028, 0.2450

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5058, 0.3097, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7136, 0.3028, 0.2450 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(160, 115, 172)` looks like.

```
.text, #text, p{  
    color:rgb(160, 115, 172)  
}
```

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(160, 115, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 115, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.7136, 0.3028, 0.2450 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(160, 115, 172) }
```

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

```
.border{ border-color:rgb(160, 115, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 115, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 115, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 115, 172);  
box-shadow:4px 4px 4px 4px rgb(160, 115,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7136, 0.3028, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 115, 172) }
```

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

```
.background{ background-color: rgb(160,  
115, 172) }
```

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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