

Converting Colors

$Y_{xy}(22.5656, 0.3132, 0.2577)$

Have a look what the booklet for
Yxy(22.5656, 0.3132, 0.2577)
contains.

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Color

Yxy(22.7122, 0.3137, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	A174A3
RGB	161, 116, 163
RGB Percent	63%, 45%, 64%
CMY	0.3684, 0.5452, 0.3607
CMYK	0.01, 0.29, 0.00, 0.36
HSL	297°, 20%, 55%
HSV	297°, 29%, 64%
XYZ	27.5622, 22.7122, 37.5872
YIQ	134.8130, 11.7330, 24.1570

Conversions

Conversions Part 2

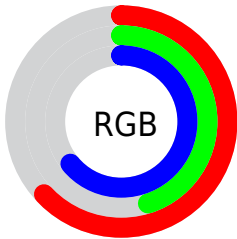
Format	Color
RYB	161, 116, 163
Decimal	10581155
CIELab	54.77, 25.89, -18.27
CIELCh	55, 31.687, 324.780
Yxy	22.7122, 0.3137, 0.2585
Android (android.graphics.Color)	4288771235 (0xFFA174A3)
YUV	134.8130, 13.8962, 22.9660
Hunter-Lab	47.6573, 19.8335, -13.4017

Details

The Yxy color $22.7122, 0.3137, 0.2585$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $31.3070, 0.3107, 0.4101$, and the grayscale version is $24.1013, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0368, 0.3136, 0.2731$, and $8.4132, 0.3135, 0.2359$ is the 20% darker color. If you saturate the color by 10%, you get $19.2093, 0.3138, 0.2345$, and if you desaturate by 10%, it is $26.8769, 0.3135, 0.2832$.

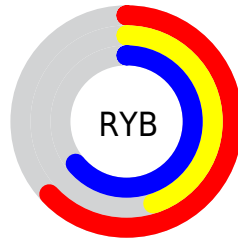
Distribution



Red (63%)

Green (45%)

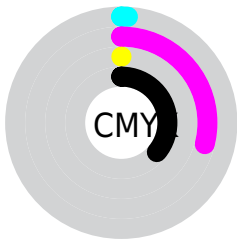
Blue (64%)



Red (63%)

Yellow (45%)

Blue (64%)

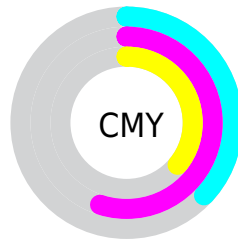


Cyan (1%)

Magenta (29%)

Yellow (0%)

Black (36%)



Cyan (37%)


Magenta (55%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7122, 0.3137, 0.2585 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 22.7122, 0.3137, 0.2585 by changing the saturation by 10% instead.


 22.7122, 0.3137,
0.2585


 22.7122, 0.3137,
0.2585


266.2433, 0.3139,
0.2959


 14.3811, 0.3133,
0.2485


 47.9203, 0.3140,
0.2726

 8.3862, 0.3126,
0.2352


 65.5662, 0.3140,
0.2777

 4.3431, 0.3111,
0.2168


 87.0858, 0.3141,
0.2820

 1.8673, 0.3080,
0.1898

112.8635, 0.3140,
0.2856

 0.5286, 0.3036,
0.1372

143.2837, 0.3140,
0.2888

 0.0000, 0.1125,
0.0000

178.7308, 0.3140,

 0.0000, 0.0000,

0.2914

0.0000

219.5892, 0.3140,
0.2938

■ 22.7122, 0.3137,
0.2585

■ 22.7122, 0.3137,
0.2585

■ 19.2093, 0.3138,
0.2345

■ 26.8769, 0.3135,
0.2832

■ 16.3307, 0.3137,
0.2120

■ 31.7324, 0.3131,
0.3078

■ 14.0398, 0.3135,
0.1920


■ 37.3094, 0.3127,
0.3317

■ 12.2950, 0.3131,
0.1753


■ 43.6363, 0.3122,
0.3544


■ 11.0493, 0.3124,
0.1626


■ 50.7395, 0.3116,
0.3757

 10.2475, 0.3116,
0.1541

 58.6443, 0.3111,
0.3953

 9.7817, 0.3107,
0.1490

 67.3750, 0.3106,
0.4134

 9.7332, 0.3106,
0.1485

 76.9547, 0.3101,
0.4298

 82.3994, 0.3100,
0.4378

Harmonies

Analogous

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



22.7122, 0.2612, 0.2418



22.7122, 0.3137, 0.2585



22.7122, 0.3707, 0.2903

Triad

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



22.7122, 0.3137, 0.2585



22.7122, 0.4038, 0.4130



22.7122, 0.2213, 0.3134

Complementary

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



22.7122, 0.3137, 0.2585



31.3070, 0.3107, 0.4101

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.



22.7122, 0.2538, 0.3706



22.7122, 0.3137, 0.2585



22.7122, 0.3588, 0.4315

Square

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



22.7122, 0.3137, 0.2585



22.7122, 0.4248, 0.3753



22.7122, 0.3038, 0.4171



22.7122, 0.2118, 0.2682

Rectangle

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



22.7122, 0.3137, 0.2585



22.7122, 0.4017, 0.3172



22.7122, 0.3038, 0.4171



22.7122, 0.2297, 0.3320

Sweetspot

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



22.7132, 0.3137, 0.2585



56.5272, 0.3131, 0.3070



19.3917, 0.2639, 0.2517



12.4072, 0.3132, 0.3036



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.7132, 0.3137, 0.2585



36.2811, 0.3138, 0.2420



22.2226, 0.3411, 0.2890



7.1870, 0.3131, 0.3068



7.5683, 0.3107, 0.1485



0.1633, 0.3147, 0.1507

Inverse Universe

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



21.5808, 0.3719, 0.3261



33.9128, 0.3920, 0.3253



31.7209, 0.2918, 0.3728



7.0905, 0.3279, 0.3281



6.0649, 0.6342, 0.3267



0.1288, 0.6077, 0.3122

Previews

White Background



This preview shows how the Yxy color 22.7122, 0.3137, 0.2585 looks on a white background.

Color Contrast Check

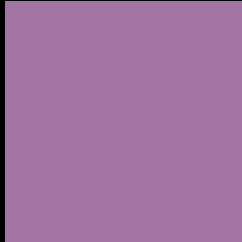
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7122, 0.3137, 0.2585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

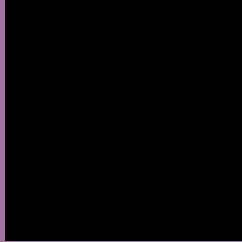
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7122, 0.3137, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 22.7122, 0.3137, 0.2585.



This preview shows how white text looks on a background with the Yxy color 22.7122, 0.3137, 0.2585.

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

22.7122, 0.3137, 0.2585

Protanopia

22.9755, 0.2615, 0.2582

Deuteranopia

22.9408, 0.2805, 0.2758



Tritanopia

22.7259, 0.3456, 0.3146

Trichromacy



Original Color

22.7122, 0.3137, 0.2585

Protanomaly

22.6827, 0.2789, 0.2584

Deuteranomaly

22.6867, 0.2919, 0.2680

Tritanomaly

22.6852, 0.3327, 0.2928

Monochromacy



Original Color

22.7122, 0.3137, 0.2585

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.4120, 0.3129, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7122, 0.3137, 0.2585 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(161, 116, 163)` looks like.

```
.text, #text, p{  
    color:rgb(161, 116, 163)  
}
```

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(161, 116, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 116, 163) }
```

Border

The CSS property to change the border of an element to Yxy 22.7122, 0.3137, 0.2585 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(161, 116, 163) }
```

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

```
.border{ border-color:rgb(161, 116, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 116, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 116, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 116, 163);  
box-shadow:4px 4px 4px 4px rgb(161, 116,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7122, 0.3137, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 116, 163) }
```

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

```
.background{ background-color: rgb(161,  
116, 163) }
```

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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