

Converting Colors

$Y_{xy}(27.3467, 0.3150, 0.2228)$

Have a look what the booklet for
Yxy(27.3467, 0.3150, 0.2228)
contains.

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Color

Yxy(27.4013, 0.3155, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	C470C6
RGB	196, 112, 198
RGB Percent	77%, 44%, 78%
CMY	0.2314, 0.5607, 0.2235
CMYK	0.01, 0.43, 0.00, 0.22
HSL	299°, 43%, 61%
HSV	299°, 43%, 78%
XYZ	38.7499, 27.4013, 56.6695
YIQ	146.9200, 22.4580, 44.5540

Conversions

Conversions Part 2

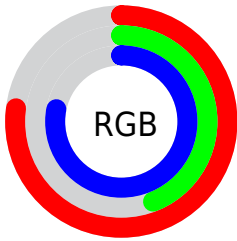
Format	Color
R _{YB}	196, 112, 198
Decimal	12873926
CIE _{Lab}	59.34, 45.99, -30.97
CIE _{LCh}	59, 55.449, 326.041
Yxy	27.4013, 0.3155, 0.2231
Android (android.graphics.Color)	4291064006 (0xFFC470C6)
YUV	146.9200, 25.1824, 43.0432
Hunter-Lab	52.3463, 40.5308, -27.5443

Details

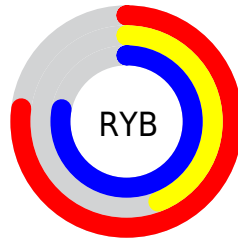
The Yxy color **27.4013, 0.3155, 0.2231** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.1344, 0.3078, 0.4622**, and the grayscale version is **29.0310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5633, 0.3160, 0.2420**, and **10.8208, 0.3128, 0.1938** is the 20% darker color. If you saturate the color by 10%, you get **23.4410, 0.3158, 0.2018**, and if you desaturate by 10%, it is **32.3249, 0.3150, 0.2465**.

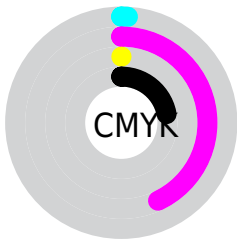
Distribution



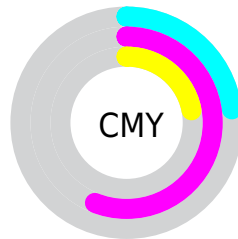
- Red (77%)
- Green (44%)
- Blue (78%)



- Red (77%)
- Yellow (44%)
- Blue (78%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)




- Cyan (23%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4013, 0.3155, 0.2231 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 27.4013, 0.3155, 0.2231 by changing the saturation by 10% instead.

 27.4013, 0.3155,
0.2231


 27.4013, 0.3155,
0.2231


289.5949, 0.3158,
0.2755


 17.8748, 0.3148,
0.2104


 55.5272, 0.3161,
0.2419

 10.8602, 0.3136,
0.1944


 74.8953, 0.3161,
0.2490

 5.9729, 0.3113,
0.1738


 98.3129, 0.3161,
0.2551

 2.8286, 0.3069,
0.1463

 126.1642, 0.3161,
0.2603

 1.0429, 0.2977,
0.1092

158.8337, 0.3161,
0.2648

 0.0000, 0.2937,
0.0000

196.7057, 0.3160,


 0.0000, 0.0017,


0.2688


0.0000

240.1646, 0.3159,
0.2723

 0.0000, 0.0000,
0.0000


 27.4013, 0.3155,
0.2231


 27.4013, 0.3155,
0.2231


 23.4410, 0.3158,
0.2018


 32.3249, 0.3150,
0.2465


 20.3766, 0.3160,
0.1837


 38.2659, 0.3144,
0.2712


 18.1381, 0.3160,
0.1693


 45.2789, 0.3137,
0.2962

 16.6432, 0.3158,
0.1592


 53.4135, 0.3130,
0.3208


 15.7931, 0.3154,
0.1532

 62.7162, 0.3122,
0.3444

 15.4649, 0.3151,
0.1509

 73.2308, 0.3115,
0.3667

 84.9989, 0.3107,
0.3874

 87.8326, 0.3108,
0.3917

 87.8961, 0.3111,
0.3917

Harmonies

Analogous

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



27.4013, 0.2331, 0.1975



27.4013, 0.3155, 0.2231



27.4013, 0.4105, 0.2694

Triad

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



27.4013, 0.3155, 0.2231



27.4013, 0.4494, 0.4565



27.4013, 0.1696, 0.2942

Complementary

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



27.4013, 0.3155, 0.2231



45.1344, 0.3078, 0.4622

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.



27.4013, 0.2139, 0.3940



27.4013, 0.3155, 0.2231



27.4013, 0.3748, 0.4981

Square

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



27.4013, 0.3155, 0.2231



27.4013, 0.4913, 0.3933



27.4013, 0.2887, 0.4803



27.4013, 0.1597, 0.2269

Rectangle

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



27.4013, 0.3155, 0.2231



27.4013, 0.4618, 0.3080



27.4013, 0.2887, 0.4803



27.4013, 0.1805, 0.3250

Sweetspot

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



27.4025, 0.3155, 0.2231



80.4967, 0.3137, 0.2968



19.7559, 0.2328, 0.2000



16.5956, 0.3139, 0.2912



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.



27.4025, 0.3155, 0.2231



41.9164, 0.3158, 0.2031



26.0600, 0.3642, 0.2693



10.8035, 0.3134, 0.3062



10.0633, 0.3152, 0.1510



0.4806, 0.3164, 0.1517

Inverse Universe

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



24.8111, 0.4229, 0.3267



36.7707, 0.4613, 0.3263



46.1030, 0.2816, 0.3988



10.6409, 0.3286, 0.3285



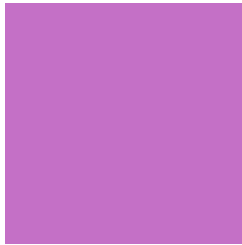
7.8160, 0.6372, 0.3284



0.3715, 0.6271, 0.3228

Previews

White Background



This preview shows how the Yxy color 27.4013, 0.3155, 0.2231 looks on a white background.

Color Contrast Check

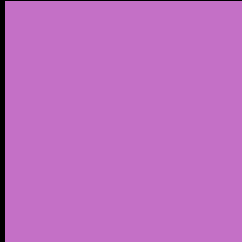
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4013, 0.3155, 0.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

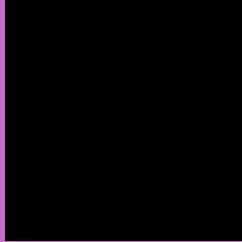
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4013, 0.3155, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 27.4013, 0.3155, 0.2231.



This preview shows how white text looks on a background with the Yxy color 27.4013, 0.3155, 0.2231.

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

27.4013, 0.3155, 0.2231

Protanopia

27.8476, 0.2278, 0.2149

Deuteranopia

27.6458, 0.2571, 0.2507



Tritanopia

27.3906, 0.3757, 0.3152

Trichromacy



Original Color

27.4013, 0.3155, 0.2231



Protanomaly

26.6987, 0.2527, 0.2142



Deuteranomaly

26.7754, 0.2755, 0.2368



Tritanomaly

27.2543, 0.3526, 0.2779

Monochromacy



Original Color

27.4013, 0.3155, 0.2231



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8027, 0.3138, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4013, 0.3155, 0.2231 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(196, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(196, 112, 198)  
}
```

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(196, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 112, 198) }
```

Border

The CSS property to change the border of an element to Yxy 27.4013, 0.3155, 0.2231 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(196, 112, 198) }
```

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

```
.border{ border-color:rgb(196, 112, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 112, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 112, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 112, 198);  
box-shadow:4px 4px 4px 4px rgb(196, 112,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4013, 0.3155, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 112, 198) }
```

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

```
.background{ background-color: rgb(196,  
112, 198) }
```

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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