

Converting Colors

$Y_{xy}(22.6116, 0.3251, 0.2020)$

Have a look what the booklet for
Yxy(22.6116, 0.3251, 0.2020)
contains.

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Color

Yxy(22.5116, 0.3246, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	C656C1
RGB	198, 86, 193
RGB Percent	78%, 34%, 76%
CMY	0.2235, 0.6628, 0.2430
CMYK	0.00, 0.57, 0.03, 0.22
HSL	303°, 50%, 56%
HSV	303°, 57%, 78%
XYZ	36.2464, 22.5116, 52.9067
YIQ	131.6860, 32.4050, 57.0210

Conversions

Conversions Part 2

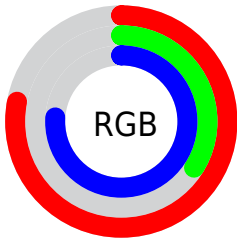
Format	Color
R _Y B	198, 86, 193
Decimal	12998337
CIE Lab	54.57, 58.42, -35.57
CIE LCh	55, 68.400, 328.667
Yxy	22.5116, 0.3246, 0.2016
Android (android.graphics.Color)	4291188417 (0xFFC656C1)
YUV	131.6860, 30.2278, 58.1574
Hunter-Lab	47.4464, 53.3327, -32.9009

Details

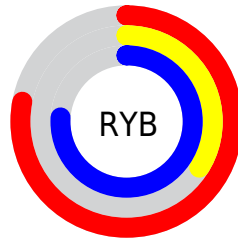
The Yxy color **22.5116, 0.3246, 0.2016** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **43.1242, 0.3018, 0.5021**, and the grayscale version is **22.8360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2119, 0.3221, 0.2235**, and **8.2656, 0.3238, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **19.7381, 0.3267, 0.1854**, and if you desaturate by 10%, it is **26.1630, 0.3224, 0.2211**.

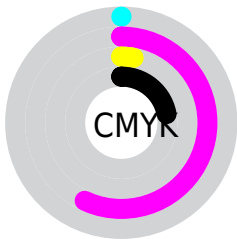
Distribution



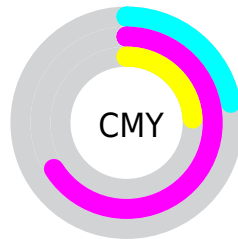
- Red (78%)
- Green (34%)
- Blue (76%)



- Red (78%)
- Yellow (34%)
- Blue (76%)



- Cyan (0%)
- Magenta (57%)
- Yellow (3%)
- Black (22%)





- Cyan (22%)
- Magenta (66%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5116, 0.3246, 0.2016 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 22.5116, 0.3246, 0.2016 by changing the saturation by 10% instead.


 22.5116, 0.3246,
0.2016


 22.5116, 0.3246,
0.2016


265.2065, 0.3209,
0.2648


 14.2333, 0.3247,
0.1864


 47.5901, 0.3239,
0.2242


 8.2831, 0.3242,
0.1673


 65.1591, 0.3234,
0.2328

 4.2766, 0.3227,
0.1430


 86.5938, 0.3229,
0.2402

 1.8295, 0.3185,
0.1114

 112.2786, 0.3225,
0.2465

 0.5054, 0.3101,
0.0648

142.5979, 0.3221,
0.2519

 0.0000, 0.2875,
0.0000

177.9360, 0.3217,

 0.0000, 0.0000,

0.2568

0.0000

218.6774, 0.3213,
0.2610

■ 22.5116, 0.3246,
0.2016

■ 22.5116, 0.3246,
0.2016

■ 19.7381, 0.3267,
0.1854

■ 26.1630, 0.3224,
0.2211

■ 17.7651, 0.3287,
0.1732

■ 30.7551, 0.3201,
0.2430

■ 16.5070, 0.3304,
0.1652

■ 36.3484, 0.3179,
0.2663

■ 15.8508, 0.3319,
0.1614

■ 42.9975, 0.3159,
0.2901

■ 15.6903, 0.3324,
0.1605

■ 50.7532, 0.3139,
0.3138

■ 59.6628, 0.3121,
0.3367

■ 69.7711, 0.3105,
0.3585

■ 81.1202, 0.3091,
0.3788

■ 87.7412, 0.3082,
0.3885

Harmonies

Analogous

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



22.5116, 0.2184, 0.1690



22.5116, 0.3246, 0.2016



22.5116, 0.4503, 0.2578

Triad

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



22.5116, 0.3246, 0.2016



22.5116, 0.4694, 0.4862



22.5116, 0.1321, 0.2688

Complementary

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



22.5116, 0.3246, 0.2016



43.1242, 0.3018, 0.5021

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.



22.5116, 0.1778, 0.4017



22.5116, 0.3246, 0.2016



22.5116, 0.3715, 0.5505

Square

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



22.5116, 0.3246, 0.2016



22.5116, 0.5346, 0.4037



22.5116, 0.2656, 0.5299



22.5116, 0.1262, 0.1928

Rectangle

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



22.5116, 0.3246, 0.2016



22.5116, 0.5146, 0.3033



22.5116, 0.2656, 0.5299



22.5116, 0.1424, 0.3075

Sweetspot

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



22.5126, 0.3246, 0.2016



75.2688, 0.3160, 0.2885



12.8915, 0.2069, 0.1506



15.5691, 0.3164, 0.2836



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.



22.5126, 0.3246, 0.2016



33.9685, 0.3272, 0.1820



20.5035, 0.3994, 0.2622



10.8082, 0.3144, 0.3072



10.2064, 0.3322, 0.1604



0.4859, 0.3297, 0.1590

Inverse Universe

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



22.5126, 0.3246, 0.2016



33.9685, 0.3272, 0.1820



44.4365, 0.2710, 0.4124



10.8082, 0.3144, 0.3072



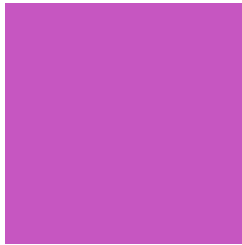
10.2064, 0.3322, 0.1604



0.4859, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 22.5116, 0.3246, 0.2016 looks on a white background.

Color Contrast Check

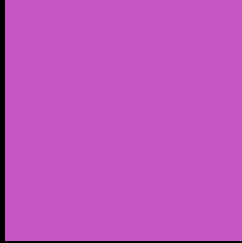
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5116, 0.3246, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

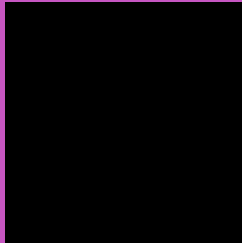
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5116, 0.3246, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 22.5116, 0.3246, 0.2016.



This preview shows how white text looks on a background with the Yxy color 22.5116, 0.3246, 0.2016.

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

22.5116, 0.3246, 0.2016

Protanopia

23.0268, 0.2035, 0.1830

Deuteranopia

22.8899, 0.2439, 0.2386



Tritanopia

22.5491, 0.4150, 0.3196

Trichromacy



Original Color

22.5116, 0.3246, 0.2016



Protanomaly

21.2037, 0.2324, 0.1832



Deuteranomaly

21.5484, 0.2680, 0.2177



Tritanomaly

22.1133, 0.3805, 0.2701

Monochromacy



Original Color

22.5116, 0.3246, 0.2016



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.6625, 0.3180, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5116, 0.3246, 0.2016 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(198, 86, 193)` looks like.

```
.text, #text, p{  
    color:rgb(198, 86, 193)  
}
```

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(198, 86, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 86, 193) }
```

Border

The CSS property to change the border of an element to Yxy 22.5116, 0.3246, 0.2016 is called "border". The border property can be set on classes, ids or directly on the HTML element.

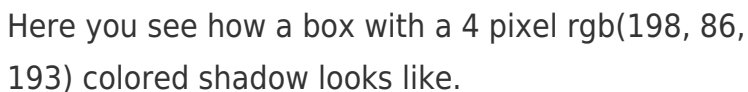
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 86, 193) }
```

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

```
.border{ border-color:rgb(198, 86, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 86, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 86, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 86, 193); box-shadow:4px 4px 4px 4px rgb(198, 86, 193) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5116, 0.3246, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 86, 193) }
```

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

```
.background{ background-color: rgb(198, 86,  
193) }
```

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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