

Converting Colors

$Y_{xy}(26.6041, 0.3158, 0.2207)$

Have a look what the booklet for
Yxy(26.6041, 0.3158, 0.2207)
contains.

Yxy(26.5706, 0.3156, 0.2204)	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(26.5706, 0.3156, 0.2204)

Conversions

Conversions Part 1

Format	Color
Hex	C36DC5
RGB	195, 109, 197
RGB Percent	76%, 43%, 77%
CMY	0.2354, 0.5725, 0.2275
CMYK	0.01, 0.45, 0.00, 0.23
HSL	299°, 43%, 60%
HSV	299°, 45%, 77%
XYZ	38.0476, 26.5706, 55.9381
YIQ	144.7460, 23.0080, 45.6000

Conversions

Conversions Part 2

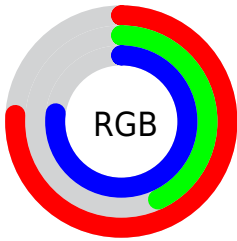
Format	Color
RYB	195, 109, 197
Decimal	12807621
CIELab	58.57, 47.05, -31.60
CIELCh	59, 56.682, 326.112
Yxy	26.5706, 0.3156, 0.2204
Android (android.graphics.Color)	4290997701 (0xFFC36DC5)
YUV	144.7460, 25.7612, 44.0728
Hunter-Lab	51.5467, 41.5475, -28.2584

Details

The Yxy color **26.5706, 0.3156, 0.2204** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.4118, 0.3076, 0.4665**, and the grayscale version is **28.0951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2328, 0.3161, 0.2398**, and **10.3984, 0.3128, 0.1906** is the 20% darker color. If you saturate the color by 10%, you get **22.7690, 0.3159, 0.1995**, and if you desaturate by 10%, it is **31.3165, 0.3151, 0.2436**.

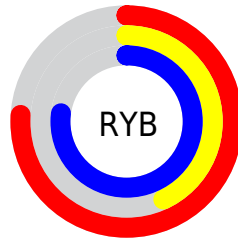
Distribution



Red (76%)

Green (43%)

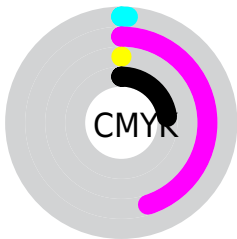
Blue (77%)



Red (76%)

Yellow (43%)

Blue (77%)

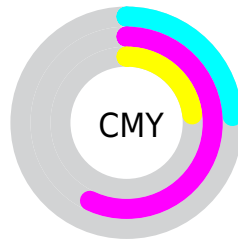


Cyan (1%)

Magenta (45%)

Yellow (0%)

Black (23%)



Cyan (24%)


Magenta (57%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5706, 0.3156, 0.2204 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 26.5706, 0.3156, 0.2204 by changing the saturation by 10% instead.


 26.5706, 0.3156,
0.2204

 26.5706, 0.3156,
0.2204


285.5720, 0.3160,
0.2742


 17.2510, 0.3149,
0.2073


 54.1940, 0.3162,
0.2397

 10.4136, 0.3136,
0.1909


 73.2667, 0.3163,
0.2470

 5.6740, 0.3111,
0.1697


 96.3591, 0.3163,
0.2533

 2.6479, 0.3064,
0.1415

 123.8557, 0.3163,
0.2586

 0.9508, 0.2965,
0.1035

156.1409, 0.3162,
0.2633

 0.0000, 0.2887,
0.0000

193.5991, 0.3161,

 0.0000, 0.0000,

0.2674

0.0000

236.6147, 0.3161,
0.2710

■ 26.5706, 0.3156,
0.2204

■ 26.5706, 0.3156,
0.2204

■ 22.7690, 0.3159,
0.1995

■ 31.3165, 0.3151,
0.2436

■ 19.8444, 0.3161,
0.1818

■ 37.0610, 0.3145,
0.2682

■ 17.7266, 0.3161,
0.1679


■ 43.8582, 0.3138,
0.2931

■ 16.3328, 0.3159,
0.1583


■ 51.7577, 0.3131,
0.3178


■ 15.5625, 0.3155,
0.1529

■ 60.8057, 0.3123,
0.3416

 15.3025, 0.3152,
0.1510

 71.0458, 0.3115,
0.3640

 82.5193, 0.3108,
0.3849

 87.6342, 0.3107,
0.3930

 87.6955, 0.3109,
0.3929

Harmonies

Analogous

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



26.5706, 0.2309, 0.1942



26.5706, 0.3156, 0.2204



26.5706, 0.4138, 0.2677

Triad

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



26.5706, 0.3156, 0.2204



26.5706, 0.4526, 0.4595



26.5706, 0.1657, 0.2924

Complementary

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



26.5706, 0.3156, 0.2204



44.4118, 0.3076, 0.4665

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.



26.5706, 0.2106, 0.3959



26.5706, 0.3156, 0.2204



26.5706, 0.3756, 0.5035

Square

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



26.5706, 0.3156, 0.2204



26.5706, 0.4964, 0.3942



26.5706, 0.2872, 0.4858



26.5706, 0.1558, 0.2236

Rectangle

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



26.5706, 0.3156, 0.2204



26.5706, 0.4668, 0.3071



26.5706, 0.2872, 0.4858



26.5706, 0.1766, 0.3243

Sweetspot

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



26.5718, 0.3156, 0.2204



80.5000, 0.3137, 0.2968



18.8606, 0.2302, 0.1958



16.5964, 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.



26.5718, 0.3156, 0.2204



40.6827, 0.3159, 0.1991



25.2079, 0.3662, 0.2677



10.8038, 0.3134, 0.3062



10.0720, 0.3153, 0.1511



0.4809, 0.3165, 0.1517

Inverse Universe

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



23.9580, 0.4277, 0.3267



35.4193, 0.4704, 0.3264



45.3830, 0.2809, 0.4011



10.6408, 0.3286, 0.3285



7.8158, 0.6373, 0.3284



0.3715, 0.6274, 0.3230

Previews

White Background



This preview shows how the Yxy color 26.5706, 0.3156, 0.2204 looks on a white background.

Color Contrast Check

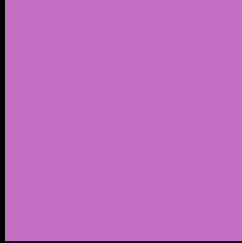
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5706, 0.3156, 0.2204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

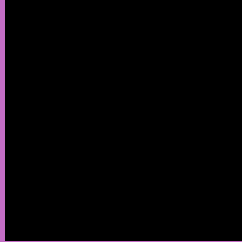
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.5706, 0.3156, 0.2204

Background



This preview shows how black text looks on a background with the Yxy color 26.5706, 0.3156, 0.2204.

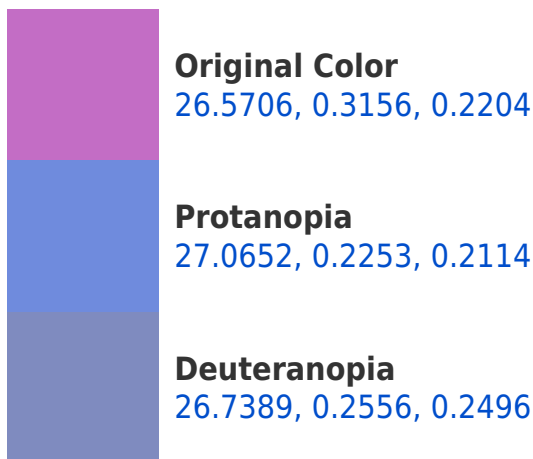


This preview shows how white text looks on a background with the Yxy color 26.5706, 0.3156, 0.2204.

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





Tritanopia

26.6736, 0.3790, 0.3165

Trichromacy



Original Color

26.5706, 0.3156, 0.2204



Protanomaly

25.9426, 0.2513, 0.2120



Deuteranomaly

25.9640, 0.2751, 0.2358



Tritanomaly

26.5411, 0.3555, 0.2789

Monochromacy



Original Color

26.5706, 0.3156, 0.2204



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.9694, 0.3138, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5706, 0.3156, 0.2204 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(195, 109, 197)` looks like.

```
.text, #text, p{  
    color:rgb(195, 109, 197)  
}
```

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(195, 109, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 109, 197) }
```

Border

The CSS property to change the border of an element to Yxy 26.5706, 0.3156, 0.2204 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(195, 109, 197) }
```

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

```
.border{ border-color:rgb(195, 109, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 109, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 109, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 109, 197);  
box-shadow:4px 4px 4px 4px rgb(195, 109,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5706, 0.3156, 0.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 109, 197) }
```

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

```
.background{ background-color: rgb(195,  
109, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor