

Converting Colors

$Y_{xy}(24.5152, 0.3261, 0.2173)$

Have a look what the booklet for
Yxy(24.5152, 0.3261, 0.2173)
contains.

Yxy(24.5117, 0.3261, 0.2173)	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(24.5117, 0.3261, 0.2173)

Conversions

Conversions Part 1

Format	Color
Hex	C563BE
RGB	197, 99, 190
RGB Percent	77%, 39%, 75%
CMY	0.2274, 0.6118, 0.2549
CMYK	0.00, 0.50, 0.04, 0.23
HSL	304°, 46%, 58%
HSV	304°, 50%, 77%
XYZ	36.7845, 24.5117, 51.5050
YIQ	138.6760, 29.1970, 49.0770

Conversions

Conversions Part 2

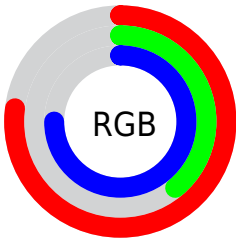
Format	Color
R_{YB}	197, 99, 190
Decimal	12936126
CIE _{Lab}	56.60, 51.46, -30.67
CIE _{LCh}	57, 59.902, 329.206
Yxy	24.5117, 0.3261, 0.2173
Android (android.graphics.Color)	4291126206 (0xFFC563BE)
YUV	138.6760, 25.3027, 51.1501
Hunter-Lab	49.5093, 45.9809, -27.0235

Details

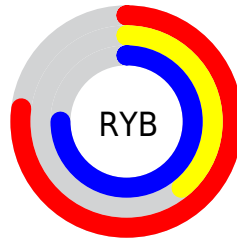
The Yxy color **24.5117, 0.3261, 0.2173** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.6329, 0.3014, 0.4745**, and the grayscale version is **25.5807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7579, 0.3239, 0.2368**, and **9.3171, 0.3279, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **21.1630, 0.3291, 0.1991**, and if you desaturate by 10%, it is **28.7737, 0.3231, 0.2381**.

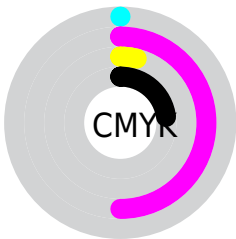
Distribution



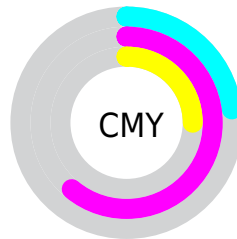
- Red (77%)
- Green (39%)
- Blue (75%)



- Red (77%)
- Yellow (39%)
- Blue (75%)



- Cyan (0%)
- Magenta (50%)
- Yellow (4%)
- Black (23%)





- Cyan (23%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5117, 0.3261, 0.2173 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 24.5117, 0.3261, 0.2173 by changing the saturation by 10% instead.


 24.5117, 0.3261,
0.2173


 24.5117, 0.3261,
0.2173


275.3974, 0.3210,
0.2731


 15.7136, 0.3268,
0.2037


 50.8639, 0.3247,
0.2374

 9.3217, 0.3273,
0.1864


 69.1869, 0.3240,
0.2450

 4.9516, 0.3272,
0.1640


 91.4536, 0.3234,
0.2515

 2.2189, 0.3256,
0.1343

 118.0485, 0.3228,
0.2570

 0.7303, 0.3202,
0.0932

149.3559, 0.3223,
0.2618

 0.0000, 0.3149,
0.0000

185.7603, 0.3218,

 0.0000, 0.0000,

0.2660

0.0000

227.6459, 0.3214,
0.2698

■ 24.5117, 0.3261,
0.2173

■ 24.5117, 0.3261,
0.2173

■ 21.1630, 0.3291,
0.1991

■ 28.7737, 0.3231,
0.2381

■ 18.6569, 0.3321,
0.1843

■ 34.0062, 0.3202,
0.2606

■ 16.9178, 0.3349,
0.1737

■ 40.2657, 0.3174,
0.2838


■ 15.8549, 0.3375,
0.1673

■ 47.6036, 0.3149,
0.3070


■ 15.2995, 0.3398,
0.1646

■ 56.0675, 0.3127,
0.3295

 15.2874, 0.3398,
0.1646

 65.7025, 0.3106,
0.3510

 76.5509, 0.3089,
0.3712

 87.6228, 0.3074,
0.3883

 87.6897, 0.3066,
0.3867

Harmonies

Analogous

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



24.5117, 0.2324, 0.1871



24.5117, 0.3261, 0.2173



24.5117, 0.4323, 0.2690

Triad

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



24.5117, 0.3261, 0.2173



24.5117, 0.4535, 0.4734



24.5117, 0.1529, 0.2783

Complementary

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



24.5117, 0.3261, 0.2173



43.6329, 0.3014, 0.4745

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.



24.5117, 0.1955, 0.3891



24.5117, 0.3261, 0.2173



24.5117, 0.3683, 0.5200

Square

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



24.5117, 0.3261, 0.2173



24.5117, 0.5072, 0.4031



24.5117, 0.2741, 0.4943



24.5117, 0.1466, 0.2102

Rectangle

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



24.5117, 0.3261, 0.2173



24.5117, 0.4865, 0.3109



24.5117, 0.2741, 0.4943



24.5117, 0.1628, 0.3114

Sweetspot

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



24.5128, 0.3261, 0.2173



77.8017, 0.3163, 0.2943



15.9903, 0.2239, 0.1752



16.0649, 0.3168, 0.2894



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.



24.5128, 0.3261, 0.2173



37.2970, 0.3295, 0.1972



22.7324, 0.3889, 0.2734



10.8030, 0.3148, 0.3078



10.0587, 0.3396, 0.1644



0.4803, 0.3353, 0.1621

Inverse Universe

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



24.5128, 0.3261, 0.2173



37.2970, 0.3295, 0.1972



44.9431, 0.2724, 0.3950



10.8030, 0.3148, 0.3078



10.0587, 0.3396, 0.1644



0.4803, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 24.5117, 0.3261, 0.2173 looks on a white background.

Color Contrast Check

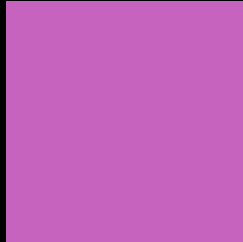
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5117, 0.3261, 0.2173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

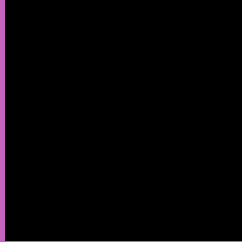
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5117, 0.3261, 0.2173

Background



This preview shows how black text looks on a background with the Yxy color 24.5117, 0.3261, 0.2173.

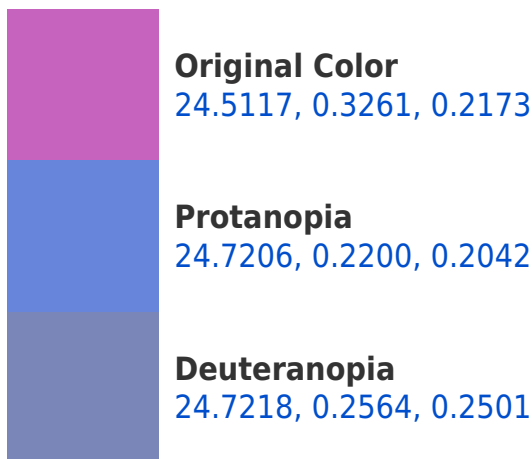


This preview shows how white text looks on a background with the Yxy color 24.5117, 0.3261, 0.2173.

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

24.5103, 0.3983, 0.3181

Trichromacy



Original Color

24.5117, 0.3261, 0.2173



Protanomaly

23.5472, 0.2486, 0.2051



Deuteranomaly

23.7039, 0.2785, 0.2335



Tritanomaly

24.2503, 0.3720, 0.2778

Monochromacy



Original Color

24.5117, 0.3261, 0.2173



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.3575, 0.3174, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5117, 0.3261, 0.2173 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(197, 99, 190)` looks like.

```
.text, #text, p{  
    color:rgb(197, 99, 190)  
}
```

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(197, 99, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 99, 190) }
```

Border

The CSS property to change the border of an element to Yxy 24.5117, 0.3261, 0.2173 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(197, 99, 190) }
```

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

```
.border{ border-color:rgb(197, 99, 190) }
```

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

Here you see how a box with a 4 pixel rgb(197, 99, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 99, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 99, 190);  
box-shadow:4px 4px 4px 4px rgb(197, 99,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5117, 0.3261, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 99, 190) }
```

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

```
.background{ background-color: rgb(197, 99,  
190) }
```

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