

Converting Colors

$Y_{xy}(21.0966, 0.3421, 0.2136)$

Have a look what the booklet for
Yxy(21.0966, 0.3421, 0.2136)
contains.

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Color

Yxy(21.0966, 0.3421, 0.2136)

Conversions

Conversions Part 1

Format	Color
Hex	C453B1
RGB	196, 83, 177
RGB Percent	77%, 33%, 69%
CMY	0.2315, 0.6744, 0.3059
CMYK	0.00, 0.58, 0.10, 0.23
HSL	310°, 49%, 55%
HSV	310°, 58%, 77%
XYZ	33.7881, 21.0966, 43.8821
YIQ	127.5030, 37.1740, 53.1900

Conversions

Conversions Part 2

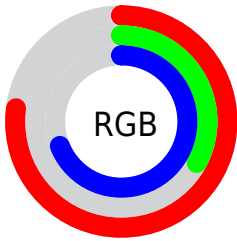
Format	Color
R_{YB}	196, 83, 177
Decimal	12866481
CIE _{Lab}	53.06, 56.55, -28.67
CIE _{LCh}	53, 63.399, 333.113
Yxy	21.0966, 0.3421, 0.2136
Android (android.graphics.Color)	4291056561 (0xFFC453B1)
YUV	127.5030, 24.4020, 60.0719
Hunter-Lab	45.9310, 50.9302, -24.4934

Details

The Yxy color **21.0966, 0.3421, 0.2136** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **42.2680, 0.2943, 0.4839**, and the grayscale version is **21.3134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3202, 0.3374, 0.2351**, and **7.5180, 0.3483, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **18.3798, 0.3486, 0.1991**, and if you desaturate by 10%, it is **24.6660, 0.3359, 0.2311**.

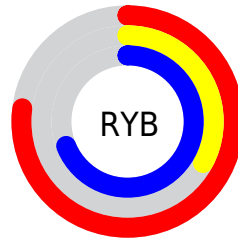
Distribution



Red (77%)

Green (33%)

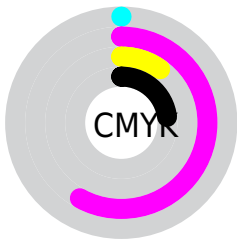
Blue (69%)



Red (77%)

Yellow (33%)

Blue (69%)

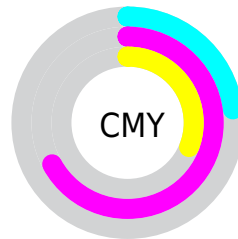


Cyan (0%)

Magenta (58%)

Yellow (10%)

Black (23%)



Cyan (23%)

Magenta (67%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0966, 0.3421, 0.2136 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 21.0966, 0.3421, 0.2136 by changing the saturation by 10% instead.

 21.0966, 0.3421,
0.2136


 21.0966, 0.3421,
0.2136


257.7914, 0.3282,
0.2723


 13.1946, 0.3451,
0.1989


 45.2482, 0.3373,
0.2350


 7.5627, 0.3487,
0.1802


 62.2667, 0.3355,
0.2430

 3.8164, 0.3529,
0.1557


 83.0928, 0.3338,
0.2498

 1.5714, 0.3571,
0.1229

 108.1109, 0.3324,
0.2556

 0.3382, 0.3663,
0.0611

 137.7054, 0.3312,
0.2606

 0.0000, 0.3547,
0.0000

172.2608, 0.3301,

 0.0000, 0.0000,

0.2650

0.0000

212.1613, 0.3291,
0.2688

■ 21.0966, 0.3421,
0.2136

■ 21.0966, 0.3421,
0.2136

■ 18.3798, 0.3486,
0.1991

■ 24.6660, 0.3359,
0.2311

■ 16.4391, 0.3551,
0.1886

■ 29.1500, 0.3300,
0.2508

■ 15.1896, 0.3614,
0.1825

■ 34.6082, 0.3246,
0.2716

■ 14.5068, 0.3674,
0.1807

■ 41.0943, 0.3198,
0.2928

■ 14.3780, 0.3688,
0.1805

■ 48.6583, 0.3156,
0.3136

■ 57.3465, 0.3119,
0.3337

■ 67.2029, 0.3087,
0.3526

■ 78.2689, 0.3060,
0.3703

■ 87.7394, 0.3038,
0.3823

Harmonies

Analogous

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



21.0966, 0.2355, 0.1781



21.0966, 0.3421, 0.2136



21.0966, 0.4591, 0.2708

Triad

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



21.0966, 0.3421, 0.2136



21.0966, 0.4522, 0.4927



21.0966, 0.1362, 0.2584

Complementary

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



21.0966, 0.3421, 0.2136



42.2680, 0.2943, 0.4839

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.



21.0966, 0.1750, 0.3774



21.0966, 0.3421, 0.2136



21.0966, 0.3562, 0.5432

Square

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



21.0966, 0.3421, 0.2136



21.0966, 0.5197, 0.4149



21.0966, 0.2549, 0.5046



21.0966, 0.1350, 0.1925

Rectangle

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



21.0966, 0.3421, 0.2136



21.0966, 0.5137, 0.3160



21.0966, 0.2549, 0.5046



21.0966, 0.1446, 0.2925

Sweetspot

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



21.0976, 0.3421, 0.2136



74.9318, 0.3196, 0.2935



12.9920, 0.2172, 0.1524



15.4887, 0.3206, 0.2892



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.



21.0976, 0.3421, 0.2136



32.3189, 0.3502, 0.1962



19.2962, 0.4260, 0.2807



10.2175, 0.3163, 0.3101



9.2523, 0.3680, 0.1801



0.4077, 0.3558, 0.1734

Inverse Universe

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



21.0976, 0.3421, 0.2136



32.3189, 0.3502, 0.1962



43.7883, 0.2618, 0.3886



10.2175, 0.3163, 0.3101



9.2523, 0.3680, 0.1801



0.4077, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 21.0966, 0.3421, 0.2136 looks on a white background.

Color Contrast Check

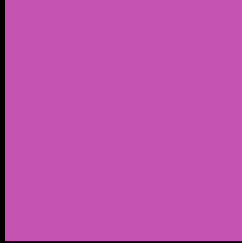
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0966, 0.3421, 0.2136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

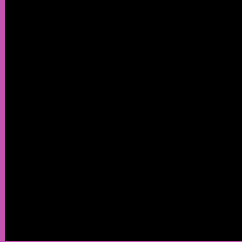
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0966, 0.3421, 0.2136

Background



This preview shows how black text looks on a background with the Yxy color 21.0966, 0.3421, 0.2136.



This preview shows how white text looks on a background with the Yxy color 21.0966, 0.3421, 0.2136.

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

21.0966, 0.3421, 0.2136

Protanopia

21.3938, 0.2139, 0.1957

Deuteranopia

21.2825, 0.2592, 0.2532



Tritanopia

21.2089, 0.4273, 0.3197

Trichromacy



Original Color

21.0966, 0.3421, 0.2136



Protanomaly

19.8066, 0.2466, 0.1955



Deuteranomaly

20.1887, 0.2847, 0.2318



Tritanomaly

20.9053, 0.3969, 0.2768

Monochromacy



Original Color

21.0966, 0.3421, 0.2136



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.4360, 0.3241, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0966, 0.3421, 0.2136 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, 83, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 83, 177)  
}
```

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, 83, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 83, 177) }
```

Border

The CSS property to change the border of an element to Yxy 21.0966, 0.3421, 0.2136 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, 83, 177) }
```

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

```
.border{ border-color:rgb(196, 83, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 83, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 83, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 83, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 83,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0966, 0.3421, 0.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 83, 177) }
```

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

```
.background{ background-color: rgb(196, 83,  
177) }
```

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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