

Converting Colors

$Y_{xy}(21.6507, 0.3131, 0.2131)$

Have a look what the booklet for
Yxy(21.6507, 0.3131, 0.2131)
contains.

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Color

Yxy(21.5718, 0.3122, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	B460B9
RGB	180, 96, 185
RGB Percent	71%, 38%, 73%
CMY	0.2943, 0.6234, 0.2746
CMYK	0.03, 0.48, 0.00, 0.27
HSL	297°, 39%, 55%
HSV	297°, 48%, 73%
XYZ	31.7526, 21.5718, 48.3814
YIQ	131.2620, 21.4950, 45.4870

Conversions

Conversions Part 2

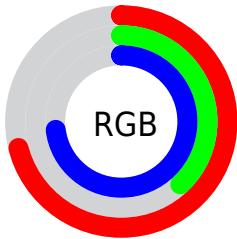
Format	Color
R_{YB}	180, 96, 185
Decimal	11821241
CIE _{Lab}	53.57, 47.07, -32.67
CIE _{LCh}	54, 57.294, 325.236
Yxy	21.5718, 0.3122, 0.2121
Android (android.graphics.Color)	4290011321 (0xFFB460B9)
YUV	131.2620, 26.4928, 42.7432
Hunter-Lab	46.4455, 40.7524, -29.2496

Details

The Yxy color **21.5718, 0.3122, 0.2121** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.3085, 0.3093, 0.4770**, and the grayscale version is **22.6957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8503, 0.3137, 0.2337**, and **7.8000, 0.3091, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **18.4584, 0.3115, 0.1916**, and if you desaturate by 10%, it is **25.4823, 0.3126, 0.2351**.

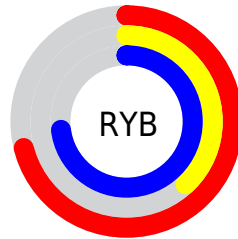
Distribution



Red (71%)

Green (38%)

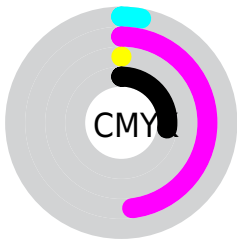
Blue (73%)



Red (71%)

Yellow (38%)

Blue (73%)

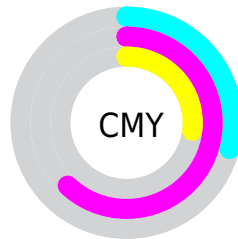


Cyan (3%)

Magenta (48%)

Yellow (0%)

Black (27%)



Cyan (29%)


Magenta (62%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5718, 0.3122, 0.2121 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 21.5718, 0.3122, 0.2121 by changing the saturation by 10% instead.


 21.5718, 0.3122,
0.2121


 21.5718, 0.3122,
0.2121


260.3019, 0.3147,
0.2715


 13.5426, 0.3107,
0.1973

 46.0372, 0.3137,
0.2337


 7.8032, 0.3083,
0.1785


 63.2423, 0.3141,
0.2418

 3.9693, 0.3039,
0.1539


 84.2747, 0.3143,
0.2487

 1.6564, 0.2958,
0.1212

 109.5190, 0.3145,
0.2546

 0.3952, 0.2826,
0.0647

139.3594, 0.3146,
0.2596

 0.0000, 0.2260,
0.0000

174.1805, 0.3146,

 0.0000, 0.0000,

0.2641

0.0000

214.3665, 0.3147,
0.2680

■ 21.5718, 0.3122,
0.2121

■ 21.5718, 0.3122,
0.2121

■ 18.4584, 0.3115,
0.1916

■ 25.4823, 0.3126,
0.2351

■ 16.0827, 0.3107,
0.1744

■ 30.2381, 0.3129,
0.2596

■ 14.3817, 0.3096,
0.1612


■ 35.8869, 0.3130,
0.2846


■ 13.2804, 0.3084,
0.1523

■ 42.4722, 0.3129,
0.3095

■ 12.6605, 0.3070,
0.1472


■ 50.0344, 0.3127,
0.3335

 12.5603, 0.3068,
0.1464

 58.6116, 0.3124,
0.3563

 68.2401, 0.3120,
0.3776

 78.9541, 0.3116,
0.3972

 85.8891, 0.3116,
0.4080

Harmonies

Analogous

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



21.5718, 0.2226, 0.1852



21.5718, 0.3122, 0.2121



21.5718, 0.4190, 0.2613

Triad

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



21.5718, 0.3122, 0.2121



21.5718, 0.4628, 0.4644



21.5718, 0.1565, 0.2910

Complementary

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



21.5718, 0.3122, 0.2121



38.3085, 0.3093, 0.4770

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.



21.5718, 0.2043, 0.4051



21.5718, 0.3122, 0.2121



21.5718, 0.3805, 0.5165

Square

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



21.5718, 0.3122, 0.2121



21.5718, 0.5102, 0.3936



21.5718, 0.2863, 0.5028



21.5718, 0.1458, 0.2168

Rectangle

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



21.5718, 0.3122, 0.2121



21.5718, 0.4775, 0.3024



21.5718, 0.2863, 0.5028



21.5718, 0.1681, 0.3259

Sweetspot

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



21.5728, 0.3122, 0.2121



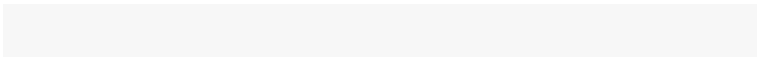
68.6271, 0.3129, 0.2943



15.4879, 0.2243, 0.1895



14.2670, 0.3130, 0.2889



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5728, 0.3122, 0.2121



32.6452, 0.3115, 0.1900



20.7747, 0.3676, 0.2596



9.1362, 0.3129, 0.3064



8.5647, 0.3070, 0.1465



0.3098, 0.3108, 0.1486

Inverse Universe

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



19.6266, 0.4359, 0.3223



28.8113, 0.4819, 0.3215



38.9188, 0.2812, 0.4126



9.0202, 0.3279, 0.3277



7.0424, 0.6328, 0.3260



0.2511, 0.6049, 0.3106

Previews

White Background



This preview shows how the Yxy color 21.5718, 0.3122, 0.2121 looks on a white background.

Color Contrast Check

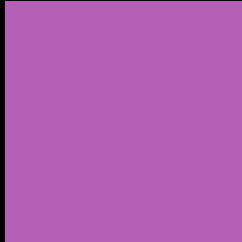
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5718, 0.3122, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

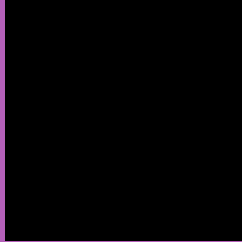
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5718, 0.3122, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 21.5718, 0.3122, 0.2121.



This preview shows how white text looks on a background with the Yxy color 21.5718, 0.3122, 0.2121.

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

21.5718, 0.3122, 0.2121

Protanopia

22.0077, 0.2169, 0.2005

Deuteranopia

21.8129, 0.2482, 0.2430



Tritanopia

21.4956, 0.3829, 0.3155

Trichromacy



Original Color

21.5718, 0.3122, 0.2121

Protanomaly

20.9141, 0.2427, 0.2008

Deuteranomaly

21.0612, 0.2681, 0.2282

Tritanomaly

21.4356, 0.3556, 0.2736

Monochromacy



Original Color

21.5718, 0.3122, 0.2121

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.5808, 0.3128, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5718, 0.3122, 0.2121 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(180, 96, 185)` looks like.

```
.text, #text, p{  
    color:rgb(180, 96, 185)  
}
```

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(180, 96, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 96, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.5718, 0.3122, 0.2121 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(180, 96, 185) }
```

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

```
.border{ border-color:rgb(180, 96, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 96, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 96, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 96, 185);  
box-shadow:4px 4px 4px 4px rgb(180, 96,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5718, 0.3122, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 96, 185) }
```

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

```
.background{ background-color: rgb(180, 96,  
185) }
```

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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