

Converting Colors

$Y_{xy}(21.7015, 0.3173, 0.2115)$

Have a look what the booklet for
Yxy(21.7015, 0.3173, 0.2115)
contains.

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Color

Yxy(21.6985, 0.3170, 0.2115)

Conversions

Conversions Part 1

| Format | Color |
|-------------|--|
| Hex | B85EB9 |
| RGB | 184, 94, 185 |
| RGB Percent | 72%, 37%, 73% |
| CMY | 0.2785, 0.6313, 0.2745 |
| CMYK | 0.01, 0.49, 0.00, 0.27 |
| HSL | 299°, 39%, 55% |
| HSV | 299°, 49%, 73% |
| XYZ | 32.5221, 21.6985, 48.3728 |
| YIQ | 131.2840, 24.4290, 47.3810 |

Conversions

Conversions Part 2

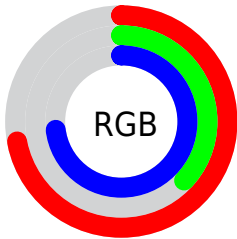
| Format | Color |
|-------------------------------------|--|
| RYB | 184, 94, 185 |
| Decimal | 12082873 |
| CIELab | 53.71, 49.26, -32.43 |
| CIELCh | 54, 58.976, 326.646 |
| Yxy | 21.6985, 0.3170, 0.2115 |
| Android (android.graphics.Color) | 4290272953 (0xFFB85EB9) |
| YUV | 131.2840, 26.4820, 46.2319 |
| Hunter-Lab | 46.5816, 43.1062, -28.9626 |

Details

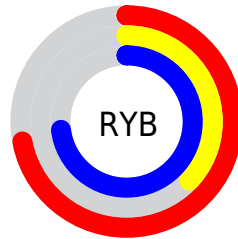
The Yxy color **21.6985, 0.3170, 0.2115** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.9419, 0.3062, 0.4822**, and the grayscale version is **22.7025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4079, 0.3181, 0.2340**, and **7.8917, 0.3162, 0.1790** is the 20% darker color. If you saturate the color by 10%, you get **18.7677, 0.3176, 0.1921**, and if you desaturate by 10%, it is **25.4198, 0.3163, 0.2336**.

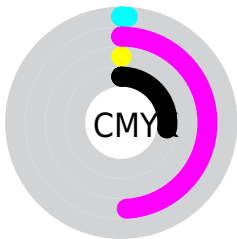
Distribution



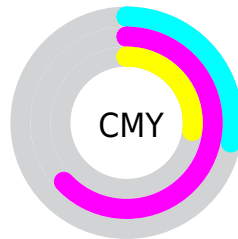
- Red (72%)
- Green (37%)
- Blue (73%)



- Red (72%)
- Yellow (37%)
- Blue (73%)



- Cyan (1%)
- Magenta (49%)
- Yellow (0%)
- Black (27%)




- Cyan (28%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6985, 0.3170, 0.2115 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 21.6985, 0.3170, 0.2115 by changing the saturation by 10% instead.


 21.6985, 0.3170,
0.2115


 21.6985, 0.3170,
0.2115


260.9677, 0.3169,
0.2710


 13.6355, 0.3162,
0.1967


 46.2472, 0.3175,
0.2331


 7.8676, 0.3147,
0.1779


 63.5017, 0.3176,
0.2413

 4.0104, 0.3116,
0.1535


 84.5888, 0.3175,
0.2481

 1.6794, 0.3053,
0.1210

 109.8929, 0.3174,
0.2540

 0.4102, 0.2949,
0.0658

139.7985, 0.3173,
0.2591

 0.0000, 0.2504,
0.0000

174.6899, 0.3172,

 0.0000, 0.0000,

0.2636

0.0000

214.9515, 0.3171,
0.2675

■ 21.6985, 0.3170,
0.2115

■ 21.6985, 0.3170,
0.2115

■ 18.7677, 0.3176,
0.1921

■ 25.4198, 0.3163,
0.2336

■ 16.5671, 0.3180,
0.1763

■ 29.9803, 0.3154,
0.2574

■ 15.0329, 0.3182,
0.1645


■ 35.4281, 0.3145,
0.2821


■ 14.0885, 0.3183,
0.1569

■ 41.8069, 0.3136,
0.3068


■ 13.5949, 0.3181,
0.1529

■ 49.1576, 0.3126,
0.3309

 13.5597, 0.3181,
0.1526

 57.5186, 0.3117,
0.3539

 66.9262, 0.3108,
0.3755

 77.4149, 0.3100,
0.3955

 85.4432, 0.3095,
0.4085

Harmonies

Analogous

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



21.6985, 0.2240, 0.1829



21.6985, 0.3170, 0.2115



21.6985, 0.4266, 0.2624

Triad

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



21.6985, 0.3170, 0.2115



21.6985, 0.4622, 0.4699



21.6985, 0.1518, 0.2849

Complementary

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



21.6985, 0.3170, 0.2115



37.9419, 0.3062, 0.4822

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.



21.6985, 0.1983, 0.4013



21.6985, 0.3170, 0.2115



21.6985, 0.3767, 0.5226

Square

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



21.6985, 0.3170, 0.2115



21.6985, 0.5137, 0.3974



21.6985, 0.2806, 0.5052



21.6985, 0.1428, 0.2116

Rectangle

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



21.6985, 0.3170, 0.2115



21.6985, 0.4852, 0.3044



21.6985, 0.2806, 0.5052



21.6985, 0.1628, 0.3201

Sweetspot

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



21.6995, 0.3170, 0.2115



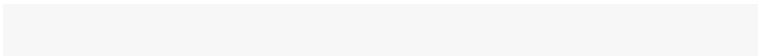
67.7402, 0.3142, 0.2919



14.1655, 0.2206, 0.1784



14.1047, 0.3144, 0.2867



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.



21.6995, 0.3170, 0.2115



33.2564, 0.3176, 0.1908



20.2476, 0.3759, 0.2641



9.1574, 0.3136, 0.3065



9.2353, 0.3182, 0.1526



0.3272, 0.3189, 0.1530

Inverse Universe

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



19.1508, 0.4466, 0.3280



28.1777, 0.4949, 0.3280



38.9136, 0.2777, 0.4070



9.0138, 0.3286, 0.3288



7.0269, 0.6386, 0.3292



0.2483, 0.6327, 0.3259

Previews

White Background



This preview shows how the Yxy color 21.6985, 0.3170, 0.2115 looks on a white background.

Color Contrast Check

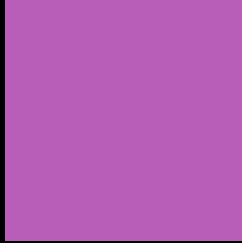
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6985, 0.3170, 0.2115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

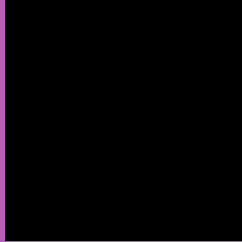
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6985, 0.3170, 0.2115

Background



This preview shows how black text looks on a background with the Yxy color 21.6985, 0.3170, 0.2115.



This preview shows how white text looks on a background with the Yxy color 21.6985, 0.3170, 0.2115.

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

21.6985, 0.3170, 0.2115

Protanopia

22.0549, 0.2153, 0.1982

Deuteranopia

21.8782, 0.2490, 0.2432



Tritanopia

21.6900, 0.3913, 0.3173

Trichromacy



Original Color

21.6985, 0.3170, 0.2115

Protanomaly

20.8109, 0.2427, 0.1986

Deuteranomaly

21.0009, 0.2700, 0.2273

Tritanomaly

21.4373, 0.3640, 0.2745

Monochromacy



Original Color

21.6985, 0.3170, 0.2115

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.6753, 0.3140, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6985, 0.3170, 0.2115 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(184, 94, 185)` looks like.

```
.text, #text, p{  
    color:rgb(184, 94, 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(184, 94, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 94, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.6985, 0.3170, 0.2115 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(184, 94, 185) }
```

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

```
.border{ border-color:rgb(184, 94, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 94, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 94, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 94, 185); box-shadow:4px 4px 4px 4px rgb(184, 94, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6985, 0.3170, 0.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 94, 185) }
```

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

```
.background{ background-color: rgb(184, 94,  
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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