

Converting Colors

$Y_{xy}(20.9954, 0.3227, 0.2127)$

Have a look what the booklet for
Yxy(20.9954, 0.3227, 0.2127)
contains.

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Color

Yxy(21.0087, 0.3219, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	B85BB5
RGB	184, 91, 181
RGB Percent	72%, 36%, 71%
CMY	0.2783, 0.6432, 0.2902
CMYK	0.00, 0.51, 0.02, 0.28
HSL	302°, 40%, 54%
HSV	302°, 51%, 72%
XYZ	31.8545, 21.0087, 46.0945
YIQ	129.0670, 26.5380, 47.7060

Conversions

Conversions Part 2

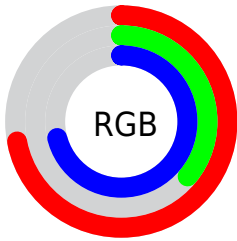
Format	Color
RYB	184, 91, 181
Decimal	12082101
CIELab	52.96, 50.07, -31.28
CIElCh	53, 59.037, 328.007
Yxy	21.0087, 0.3219, 0.2123
Android (android.graphics.Color)	4290272181 (0xFFB85BB5)
YUV	129.0670, 25.6030, 48.1762
Hunter-Lab	45.8352, 43.8417, -27.5406

Details

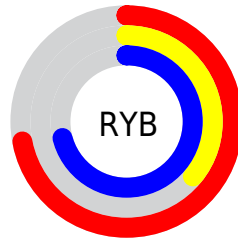
The Yxy color **21.0087, 0.3219, 0.2123** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.3256, 0.3035, 0.4825**, and the grayscale version is **21.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2425, 0.3216, 0.2346**, and **7.5488, 0.3216, 0.1784** is the 20% darker color. If you saturate the color by 10%, you get **18.2160, 0.3237, 0.1939**, and if you desaturate by 10%, it is **24.5748, 0.3200, 0.2334**.

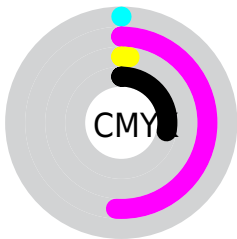
Distribution



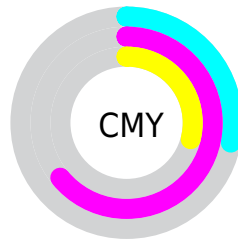
- Red (72%)
- Green (36%)
- Blue (71%)



- Red (72%)
- Yellow (36%)
- Blue (71%)



- Cyan (0%)
- Magenta (51%)
- Yellow (2%)
- Black (28%)



- Cyan (28%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0087, 0.3219, 0.2123 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 21.0087, 0.3219, 0.2123 by changing the saturation by 10% instead.


 21.0087, 0.3219,
0.2123


 21.0087, 0.3219,
0.2123


257.3247, 0.3191,
0.2717


 13.1304, 0.3219,
0.1974


 45.1020, 0.3214,
0.2340


 7.5184, 0.3213,
0.1785


 62.0858, 0.3211,
0.2421

 3.7883, 0.3195,
0.1537


 82.8735, 0.3207,
0.2490

 1.5559, 0.3150,
0.1205

 107.8495, 0.3203,
0.2549

 0.3276, 0.3091,
0.0582

137.3982, 0.3200,
0.2599

 0.0000, 0.2575,
0.0000

171.9041, 0.3197,

 0.0000, 0.0000,

0.2644

0.0000

211.7515, 0.3194,
0.2683

■ 21.0087, 0.3219,
0.2123

■ 21.0087, 0.3219,
0.2123

■ 18.2160, 0.3237,
0.1939

■ 24.5748, 0.3200,
0.2334

■ 16.1364, 0.3254,
0.1791

■ 28.9631, 0.3181,
0.2564

■ 14.7054, 0.3269,
0.1683

■ 34.2216, 0.3162,
0.2803

■ 13.8456, 0.3282,
0.1618

■ 40.3939, 0.3145,
0.3043

■ 13.4104, 0.3292,
0.1587

■ 47.5207, 0.3128,
0.3277

■ 55.6402, 0.3113,
0.3501

■ 64.7886, 0.3099,
0.3712

■ 75.0002, 0.3087,
0.3907

■ 85.2761, 0.3077,
0.4071

Harmonies

Analogous

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



21.0087, 0.2265, 0.1824



21.0087, 0.3219, 0.2123



21.0087, 0.4326, 0.2644

Triad

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



21.0087, 0.3219, 0.2123



21.0087, 0.4600, 0.4740



21.0087, 0.1491, 0.2797

Complementary

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



21.0087, 0.3219, 0.2123



37.3256, 0.3035, 0.4825

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.



21.0087, 0.1940, 0.3964



21.0087, 0.3219, 0.2123



21.0087, 0.3726, 0.5259

Square

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



21.0087, 0.3219, 0.2123



21.0087, 0.5144, 0.4009



21.0087, 0.2757, 0.5045



21.0087, 0.1417, 0.2081

Rectangle

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



21.0087, 0.3219, 0.2123



21.0087, 0.4903, 0.3070



21.0087, 0.2757, 0.5045



21.0087, 0.1596, 0.3146

Sweetspot

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



21.0096, 0.3219, 0.2123



67.7417, 0.3153, 0.2931



13.2439, 0.2186, 0.1717



14.1051, 0.3156, 0.2880



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.



21.0096, 0.3219, 0.2123



32.3815, 0.3240, 0.1915



19.4496, 0.3831, 0.2666



9.1576, 0.3142, 0.3072



9.2409, 0.3291, 0.1587



0.3274, 0.3268, 0.1574

Inverse Universe

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



21.0096, 0.3219, 0.2123



32.3815, 0.3240, 0.1915



38.3830, 0.2750, 0.4041



9.1576, 0.3142, 0.3072



9.2409, 0.3291, 0.1587



0.3274, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 21.0087, 0.3219, 0.2123 looks on a white background.

Color Contrast Check

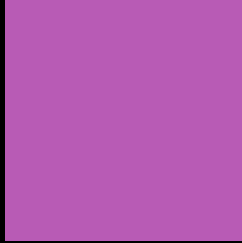
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0087, 0.3219, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

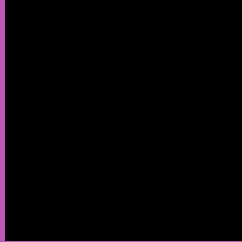
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0087, 0.3219, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 21.0087, 0.3219, 0.2123.

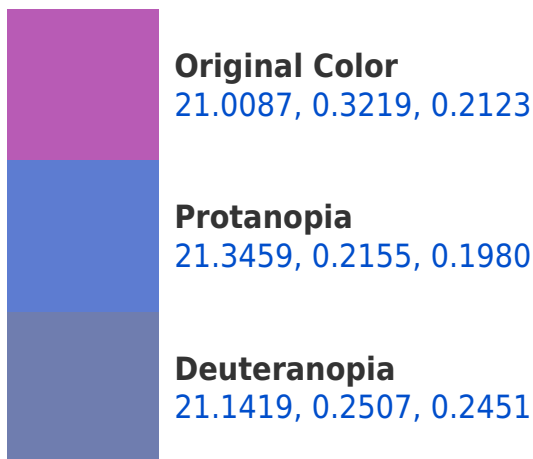


This preview shows how white text looks on a background with the Yxy color 21.0087, 0.3219, 0.2123.

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

20.9833, 0.3971, 0.3173

Trichromacy



Original Color

21.0087, 0.3219, 0.2123



Protanomaly

20.1475, 0.2435, 0.1985



Deuteranomaly

20.3879, 0.2734, 0.2292



Tritanomaly

20.7551, 0.3690, 0.2745

Monochromacy



Original Color

21.0087, 0.3219, 0.2123



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7891, 0.3165, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0087, 0.3219, 0.2123 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, 91, 181)` looks like.

```
.text, #text, p{  
    color:rgb(184, 91, 181)  
}
```

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, 91, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 91, 181) }
```

Border

The CSS property to change the border of an element to Yxy 21.0087, 0.3219, 0.2123 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, 91, 181) }
```

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

```
.border{ border-color:rgb(184, 91, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 91, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 91, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 91, 181);  
box-shadow:4px 4px 4px 4px rgb(184, 91,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0087, 0.3219, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 91, 181) }
```

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

```
.background{ background-color: rgb(184, 91,  
181) }
```

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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