

Converting Colors

$Y_{xy}(21.0650, 0.2996, 0.2108)$

Have a look what the booklet for
Yxy(21.0650, 0.2996, 0.2108)
contains.

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Color

Yxy(21.0149, 0.2995, 0.2105)

Conversions

Conversions Part 1

Format	Color
Hex	AA63BA
RGB	170, 99, 186
RGB Percent	67%, 39%, 73%
CMY	0.3333, 0.6117, 0.2707
CMYK	0.09, 0.47, 0.00, 0.27
HSL	289°, 39%, 56%
HSV	289°, 47%, 73%
XYZ	29.9001, 21.0149, 48.9183
YIQ	130.1470, 14.3890, 42.1090

Conversions

Conversions Part 2

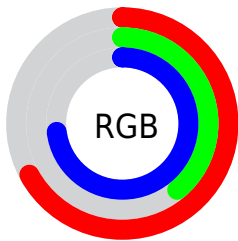
Format	Color
R_{YB}	170, 99, 186
Decimal	11166650
CIE _{Lab}	52.97, 42.79, -34.27
CIE _{LCh}	53, 54.822, 321.305
Yxy	21.0149, 0.2995, 0.2105
Android (android.graphics.Color)	4289356730 (0xFFAA63BA)
YUV	130.1470, 27.5355, 34.9511
Hunter-Lab	45.8420, 36.2016, -31.1793

Details

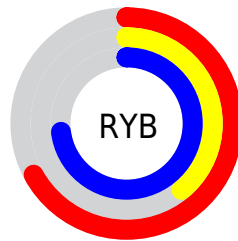
The Yxy color **21.0149, 0.2995, 0.2105** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.6500, 0.3178, 0.4689**, and the grayscale version is **22.2757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1982, 0.3042, 0.2333**, and **7.4929, 0.2921, 0.1761** is the 20% darker color. If you saturate the color by 10%, you get **17.5125, 0.2953, 0.1873**, and if you desaturate by 10%, it is **25.3403, 0.3032, 0.2356**.

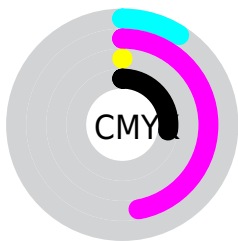
Distribution



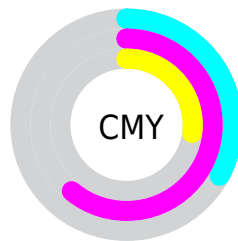
- Red (67%)
- Green (39%)
- Blue (73%)



- Red (67%)
- Yellow (39%)
- Blue (73%)



- Cyan (9%)
- Magenta (47%)
- Yellow (0%)
- Black (27%)




- Cyan (33%)
- Magenta (61%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0149, 0.2995, 0.2105 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 21.0149, 0.2995, 0.2105 by changing the saturation by 10% instead.


 21.0149, 0.2995,
0.2105


 21.0149, 0.2995,
0.2105


257.3577, 0.3089,
0.2710


 13.1349, 0.2961,
0.1954


 45.1123, 0.3036,
0.2326


 7.5215, 0.2911,
0.1761


 62.0985, 0.3050,
0.2409

 3.7903, 0.2833,
0.1509


 82.8890, 0.3060,
0.2479

 1.5570, 0.2700,
0.1173

 107.8679, 0.3068,
0.2538

 0.3283, 0.2495,
0.0558

137.4199, 0.3075,
0.2590

 0.0000, 0.1538,
0.0000

171.9293, 0.3080,

 0.0000, 0.0000,

0.2635

0.0000

211.7804, 0.3085,
0.2675

■ 21.0149, 0.2995,
0.2105

■ 21.0149, 0.2995,
0.2105

■ 17.5125, 0.2953,
0.1873

■ 25.3403, 0.3032,
0.2356

■ 14.7740, 0.2908,
0.1671

■ 30.5372, 0.3065,
0.2615

■ 12.7363, 0.2860,
0.1507

■ 36.6534, 0.3092,
0.2874

■ 11.3254, 0.2812,
0.1386

■ 43.7326, 0.3114,
0.3126

■ 10.4401, 0.2764,
0.1309

■ 51.8155, 0.3133,
0.3366

10.2022, 0.2748,
0.1288

60.9407, 0.3147,
0.3590

71.1443, 0.3157,
0.3797

82.4612, 0.3165,
0.3987

87.4450, 0.3181,
0.4052

Harmonies

Analogous

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



21.0149, 0.2164, 0.1874



21.0149, 0.2995, 0.2105



21.0149, 0.4024, 0.2562

Triad

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



21.0149, 0.2995, 0.2105



21.0149, 0.4675, 0.4530



21.0149, 0.1650, 0.3056

Complementary

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



21.0149, 0.2995, 0.2105



39.6500, 0.3178, 0.4689

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.



21.0149, 0.2169, 0.4173



21.0149, 0.2995, 0.2105



21.0149, 0.3910, 0.5066

Square

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



21.0149, 0.2995, 0.2105



21.0149, 0.5063, 0.3840



21.0149, 0.2998, 0.5028



21.0149, 0.1497, 0.2275

Rectangle

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



21.0149, 0.2995, 0.2105



21.0149, 0.4624, 0.2955



21.0149, 0.2998, 0.5028



21.0149, 0.1781, 0.3408

Sweetspot

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



21.0158, 0.2995, 0.2105



69.5378, 0.3098, 0.2939



18.7807, 0.2305, 0.2132



14.7300, 0.3093, 0.2884



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



21.0158, 0.2995, 0.2105



31.6598, 0.2953, 0.1870



21.8949, 0.3498, 0.2468



9.0771, 0.3109, 0.3063



6.8962, 0.2754, 0.1291



0.2651, 0.2879, 0.1360

Inverse Universe

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



20.5982, 0.4142, 0.3069



31.0039, 0.4503, 0.3032



39.2420, 0.2893, 0.4300



9.0384, 0.3260, 0.3248



7.1097, 0.6090, 0.3128



0.2589, 0.5418, 0.2759

Previews

White Background



This preview shows how the Yxy color 21.0149, 0.2995, 0.2105 looks on a white background.

Color Contrast Check

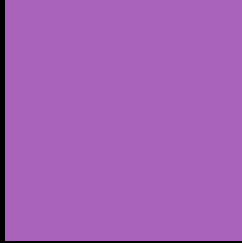
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0149, 0.2995, 0.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

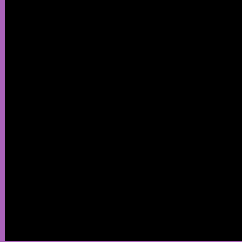
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0149, 0.2995, 0.2105

Background



This preview shows how black text looks on a background with the Yxy color 21.0149, 0.2995, 0.2105.

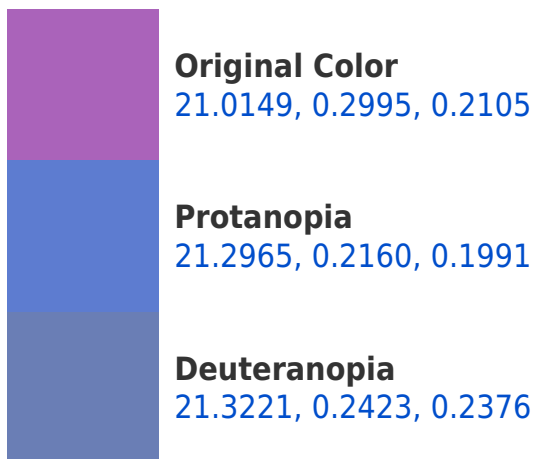


This preview shows how white text looks on a background with the Yxy color 21.0149, 0.2995, 0.2105.

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

21.0168, 0.3647, 0.3163

Trichromacy



Original Color

21.0149, 0.2995, 0.2105

Protanomaly

20.4965, 0.2390, 0.2005

Deuteranomaly

20.5768, 0.2594, 0.2238

Tritanomaly

20.8741, 0.3397, 0.2739

Monochromacy



Original Color

21.0149, 0.2995, 0.2105

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.4154, 0.3091, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0149, 0.2995, 0.2105 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(170, 99, 186)` looks like.

```
.text, #text, p{  
    color:rgb(170, 99, 186)  
}
```

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(170, 99, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 99, 186) }
```

Border

The CSS property to change the border of an element to Yxy 21.0149, 0.2995, 0.2105 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(170, 99, 186) }
```

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

```
.border{ border-color:rgb(170, 99, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 99, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 99, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 99, 186);  
box-shadow:4px 4px 4px 4px rgb(170, 99,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0149, 0.2995, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 99, 186) }
```

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

```
.background{ background-color: rgb(170, 99,  
186) }
```

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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