

Converting Colors

$Y_{xy}(21.2600, 0.2966, 0.2034)$

Have a look what the booklet for
Yxy(21.2600, 0.2966, 0.2034)
contains.

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Color

Yxy(21.2394, 0.2966, 0.2031)

Conversions

Conversions Part 1

Format	Color
Hex	AD61C0
RGB	173, 97, 192
RGB Percent	68%, 38%, 75%
CMY	0.3216, 0.6195, 0.2472
CMYK	0.10, 0.49, 0.00, 0.25
HSL	288°, 43%, 57%
HSV	288°, 49%, 75%
XYZ	31.0173, 21.2394, 52.3194
YIQ	130.5540, 14.8010, 45.6570

Conversions

Conversions Part 2

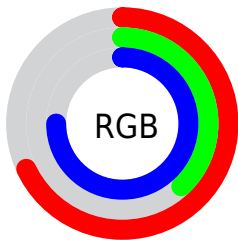
Format	Color
RYB	173, 97, 192
Decimal	11362752
CIELab	53.21, 45.92, -37.32
CIELCh	53, 59.171, 320.895
Yxy	21.2394, 0.2966, 0.2031
Android (android.graphics.Color)	4289552832 (0xFFAD61C0)
YUV	130.5540, 30.2929, 37.2251
Hunter-Lab	46.0862, 39.4844, -35.0486

Details

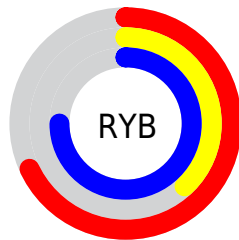
The Yxy color **21.2394, 0.2966, 0.2031** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.2660, 0.3189, 0.4778**, and the grayscale version is **22.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4752, 0.3012, 0.2259**, and **7.6405, 0.2864, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **17.6793, 0.2918, 0.1803**, and if you desaturate by 10%, it is **25.6723, 0.3009, 0.2281**.

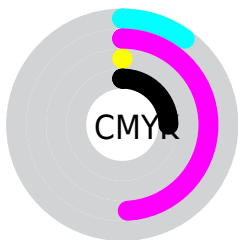
Distribution



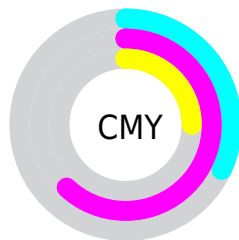
- Red (68%)
- Green (38%)
- Blue (75%)



- Red (68%)
- Yellow (38%)
- Blue (75%)



- Cyan (10%)
- Magenta (49%)
- Yellow (0%)
- Black (25%)




- Cyan (32%)
- Magenta (62%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2394, 0.2966, 0.2031 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 21.2394, 0.2966, 0.2031 by changing the saturation by 10% instead.


 21.2394, 0.2966,
0.2031


 21.2394, 0.2966,
0.2031


258.5480, 0.3078,
0.2666


 13.2991, 0.2927,
0.1875


 45.4856, 0.3015,
0.2261


 7.6348, 0.2870,
0.1677


 62.5603, 0.3030,
0.2348

 3.8622, 0.2782,
0.1423


 83.4487, 0.3043,
0.2421

 1.5968, 0.2637,
0.1091

 108.5350, 0.3053,
0.2485

 0.3554, 0.2408,
0.0528

138.2037, 0.3061,
0.2539

 0.0000, 0.1655,
0.0000

172.8392, 0.3068,

 0.0000, 0.0000,

0.2587

0.0000

212.8258, 0.3073,
0.2629

■ 21.2394, 0.2966,
0.2031

■ 21.2394, 0.2966,
0.2031

■ 17.6793, 0.2918,
0.1803

■ 25.6723, 0.3009,
0.2281

■ 14.9261, 0.2867,
0.1607

■ 31.0322, 0.3047,
0.2541

■ 12.9092, 0.2814,
0.1451


■ 37.3717, 0.3079,
0.2803


■ 11.5440, 0.2761,
0.1340

■ 44.7391, 0.3106,
0.3059

■ 10.6758, 0.2709,
0.1268

■ 53.1791, 0.3128,
0.3303

 10.6331, 0.2706,
0.1264

 62.7340, 0.3146,
0.3532

 73.4437, 0.3159,
0.3743

 85.3461, 0.3170,
0.3937

 88.6684, 0.3190,
0.3975

Harmonies

Analogous

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



21.2394, 0.2092, 0.1793



21.2394, 0.2966, 0.2031



21.2394, 0.4073, 0.2506

Triad

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



21.2394, 0.2966, 0.2031



21.2394, 0.4767, 0.4571



21.2394, 0.1563, 0.3041

Complementary

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



21.2394, 0.2966, 0.2031



42.2660, 0.3189, 0.4778

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.



21.2394, 0.2106, 0.4262



21.2394, 0.2966, 0.2031



21.2394, 0.3950, 0.5179

Square

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



21.2394, 0.2966, 0.2031



21.2394, 0.5192, 0.3836



21.2394, 0.2984, 0.5184



21.2394, 0.1406, 0.2209

Rectangle

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



21.2394, 0.2966, 0.2031



21.2394, 0.4724, 0.2914



21.2394, 0.2984, 0.5184



21.2394, 0.1699, 0.3424

Sweetspot

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



21.2403, 0.2966, 0.2031



73.1390, 0.3091, 0.2912



19.2090, 0.2256, 0.2076



15.0980, 0.3085, 0.2857



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.2403, 0.2966, 0.2031



31.7684, 0.2916, 0.1793



22.4759, 0.3508, 0.2403



10.1425, 0.3106, 0.3061



7.1901, 0.2713, 0.1268



0.3372, 0.2830, 0.1332

Inverse Universe

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



21.0180, 0.4212, 0.3036



31.5634, 0.4593, 0.2998



41.6844, 0.2893, 0.4400



10.1101, 0.3258, 0.3244



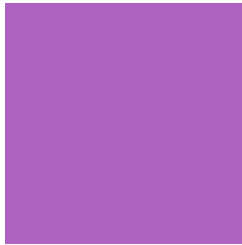
7.6458, 0.6052, 0.3108



0.3403, 0.5436, 0.2768

Previews

White Background



This preview shows how the Yxy color 21.2394, 0.2966, 0.2031 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 21.2394, 0.2966, 0.2031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

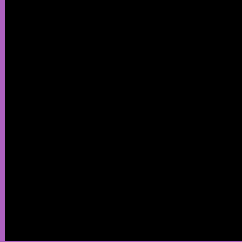
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2394, 0.2966, 0.2031

Background



This preview shows how black text looks on a background with the Yxy color 21.2394, 0.2966, 0.2031.

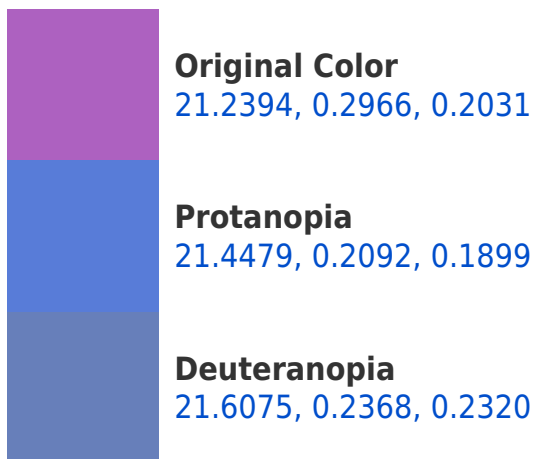


This preview shows how white text looks on a background with the Yxy color 21.2394, 0.2966, 0.2031.

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

21.2263, 0.3673, 0.3165

Trichromacy



Original Color

21.2394, 0.2966, 0.2031



Protanomaly

20.4616, 0.2326, 0.1912



Deuteranomaly

20.7108, 0.2544, 0.2175



Tritanomaly

21.0472, 0.3411, 0.2703

Monochromacy



Original Color

21.2394, 0.2966, 0.2031



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.6046, 0.3070, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2394, 0.2966, 0.2031 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(173, 97, 192)` looks like.

```
.text, #text, p{  
  color:rgb(173, 97, 192)  
}
```

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(173, 97, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 97, 192) }
```

Border

The CSS property to change the border of an element to Yxy 21.2394, 0.2966, 0.2031 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(173, 97, 192) }
```

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

```
.border{ border-color:rgb(173, 97, 192) }
```

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

Here you see how a box with a 4 pixel rgb(173, 97, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 97, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 97, 192);  
box-shadow:4px 4px 4px 4px rgb(173, 97,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2394, 0.2966, 0.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 97, 192) }
```

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

```
.background{ background-color: rgb(173, 97,  
192) }
```

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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