

Converting Colors

$Y_{xy}(21.0619, 0.2596, 0.1549)$

Have a look what the booklet for
Yxy(21.0619, 0.2596, 0.1549)
contains.

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Color

Yxy(21.0684, 0.2600, 0.1553)

Conversions

Conversions Part 1

Format	Color
Hex	AE53E9
RGB	174, 83, 233
RGB Percent	68%, 33%, 91%
CMY	0.3174, 0.6748, 0.0861
CMYK	0.25, 0.64, 0.00, 0.09
HSL	276°, 77%, 62%
HSV	276°, 64%, 91%
XYZ	35.2723, 21.0684, 79.3219
YIQ	127.3090, 6.0860, 65.9420

Conversions

Conversions Part 2

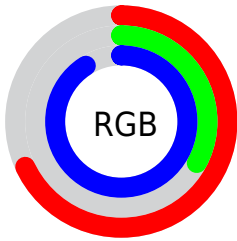
Format	Color
RYB	174, 83, 233
Decimal	11424745
CIELab	53.02, 61.79, -60.95
CIELCh	53, 86.794, 315.392
Yxy	21.0684, 0.2600, 0.1553
Android (android.graphics.Color)	4289614825 (0xFFAE53E9)
YUV	127.3090, 52.1057, 40.9480
Hunter-Lab	45.9003, 56.8434, -70.3308

Details

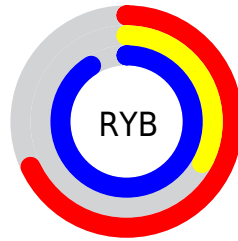
The Yxy color **21.0684, 0.2600, 0.1553** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **64.6610, 0.3349, 0.5175**, and the grayscale version is **21.1469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7206, 0.2991, 0.2103**, and **7.5698, 0.2392, 0.1168** is the 20% darker color. If you saturate the color by 10%, you get **17.0694, 0.2493, 0.1338**, and if you desaturate by 10%, it is **26.3380, 0.2705, 0.1805**.

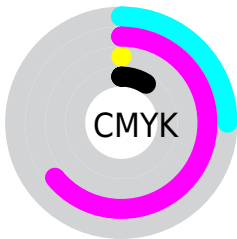
Distribution



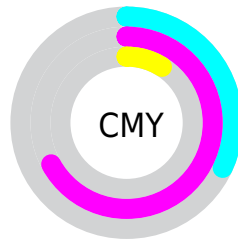
- Red (68%)
- Green (33%)
- Blue (91%)



- Red (68%)
- Yellow (33%)
- Blue (91%)



- Cyan (25%)
- Magenta (64%)
- Yellow (0%)
- Black (9%)




- Cyan (32%)
- Magenta (67%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0684, 0.2600, 0.1553 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 21.0684, 0.2600, 0.1553 by changing the saturation by 10% instead.

 21.0684, 0.2600,
0.1553


 21.0684, 0.2600,
0.1553


257.6418, 0.2918,
0.2370


 13.1740, 0.2508,
0.1374


 45.2013, 0.2726,
0.1833

 7.5485, 0.2385,
0.1162


 62.2087, 0.2770,
0.1943

 3.8074, 0.2215,
0.0912


 83.0225, 0.2807,
0.2039

 1.5664, 0.1974,
0.0623

 108.0271, 0.2837,
0.2122

 0.3348, 0.1637,
0.0242

 137.6069, 0.2862,
0.2195

 0.0000, 0.1127,
0.0000

172.1464, 0.2884,

 0.0000, 0.0000,

0.2260

0.0000

212.0299, 0.2902,
0.2318

■ 21.0684, 0.2600,
0.1553

■ 21.0684, 0.2600,
0.1553

■ 17.0694, 0.2493,
0.1338

■ 26.3380, 0.2705,
0.1805

■ 14.2117, 0.2387,
0.1169

■ 32.9855, 0.2804,
0.2080


■ 12.3410, 0.2288,
0.1053

■ 41.1092, 0.2894,
0.2365

■ 11.5914, 0.2235,
0.1005

■ 50.7976, 0.2975,
0.2649

■ 62.1319, 0.3045,
0.2923

 75.1877, 0.3104,
0.3182

 90.0359, 0.3154,
0.3421

 97.2343, 0.3206,
0.3506

 98.6650, 0.3256,
0.3502

Harmonies

Analogous

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



21.0684, 0.1571, 0.1321



21.0684, 0.2600, 0.1553



21.0684, 0.4166, 0.2079

Triad

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



21.0684, 0.2600, 0.1553



21.0684, 0.5344, 0.4544



21.0684, 0.1101, 0.3121

Complementary

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



21.0684, 0.2600, 0.1553



64.6610, 0.3349, 0.5175

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.



21.0684, 0.1808, 0.5146



21.0684, 0.2600, 0.1553



21.0684, 0.4212, 0.5643

Square

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



21.0684, 0.2600, 0.1553



21.0684, 0.5973, 0.3593



21.0684, 0.2956, 0.6253



21.0684, 0.0902, 0.1888

Rectangle

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



21.0684, 0.2600, 0.1553



21.0684, 0.5207, 0.2549



21.0684, 0.2956, 0.6253



21.0684, 0.1273, 0.3748

Sweetspot

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



21.0692, 0.2600, 0.1553



69.4554, 0.3013, 0.2797



27.3587, 0.2060, 0.2006



14.0252, 0.2993, 0.2717



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.0692, 0.2600, 0.1553



19.7621, 0.2461, 0.1282



28.5691, 0.3354, 0.1941



15.0014, 0.3075, 0.3053



6.6490, 0.2249, 0.1013



0.5775, 0.2380, 0.1085

Inverse Universe

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



25.4558, 0.4363, 0.2671



26.1233, 0.4764, 0.2636



61.0129, 0.2974, 0.5197



15.1520, 0.3231, 0.3198



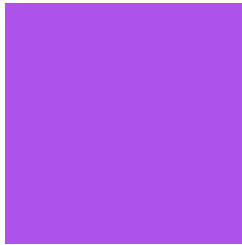
10.2862, 0.5404, 0.2751



0.8261, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 21.0684, 0.2600, 0.1553 looks on a white background.

Color Contrast Check

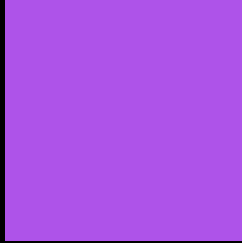
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0684, 0.2600, 0.1553 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 21.0684, 0.2600, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 21.0684, 0.2600, 0.1553.



This preview shows how white text looks on a background with the Yxy color 21.0684, 0.2600, 0.1553.

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

21.0684, 0.2600, 0.1553

Protanopia

21.4461, 0.1773, 0.1485

Deuteranopia

21.5137, 0.1890, 0.1836



Tritanopia

21.0394, 0.3536, 0.3144

Trichromacy



Original Color

21.0684, 0.2600, 0.1553



Protanomaly

19.3253, 0.1905, 0.1426



Deuteranomaly

19.2091, 0.2007, 0.1628



Tritanomaly

20.3675, 0.3156, 0.2403

Monochromacy



Original Color

21.0684, 0.2600, 0.1553



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.0513, 0.2907, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0684, 0.2600, 0.1553 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(174, 83, 233)` looks like.

```
.text, #text, p{  
    color:rgb(174, 83, 233)  
}
```

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(174, 83, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 83, 233) }
```

Border

The CSS property to change the border of an element to Yxy 21.0684, 0.2600, 0.1553 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(174, 83, 233) }
```

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

```
.border{ border-color:rgb(174, 83, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 83, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 83, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 83, 233);  
box-shadow:4px 4px 4px 4px rgb(174, 83,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0684, 0.2600, 0.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 83, 233) }
```

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

```
.background{ background-color: rgb(174, 83,  
233) }
```

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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