

Converting Colors

$Y_{xy}(21.1328, 0.2333, 0.1374)$

Have a look what the booklet for
Yxy(21.1328, 0.2333, 0.1374)
contains.

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Color

Yxy(21.1377, 0.2335, 0.1374)

Conversions

Conversions Part 1

Format	Color
Hex	A154FF
RGB	161, 84, 255
RGB Percent	63%, 33%, 100%
CMY	0.3685, 0.6707, 0.0001
CMYK	0.37, 0.67, 0.00, 0.00
HSL	267°, 100%, 66%
HSV	267°, 67%, 100%
XYZ	35.9218, 21.1377, 96.7811
YIQ	126.5170, -8.9990, 69.5050

Conversions

Conversions Part 2

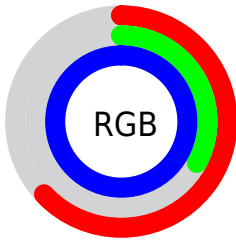
Format	Color
R_{YB}	161, 84, 255
Decimal	10573055
CIE _{Lab}	53.10, 63.66, -73.16
CIE _{LCh}	53, 96.977, 311.027
Yxy	21.1377, 0.2335, 0.1374
Android (android.graphics.Color)	4288763135 (0xFFA154FF)
YUV	126.5170, 63.3421, 30.2416
Hunter-Lab	45.9758, 59.0081, -92.6252

Details

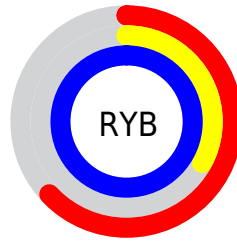
The Yxy color **21.1377, 0.2335, 0.1374** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.6064, 0.3514, 0.5149**, and the grayscale version is **20.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7691, 0.2888, 0.2067**, and **7.5818, 0.2060, 0.0986** is the 20% darker color. If you saturate the color by 10%, you get **16.5003, 0.2192, 0.1144**, and if you desaturate by 10%, it is **27.3790, 0.2480, 0.1646**.

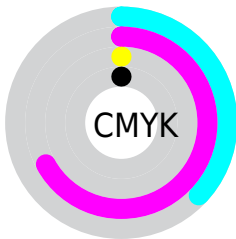
Distribution



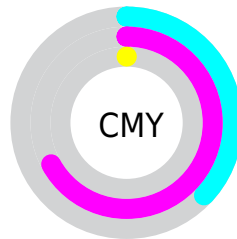
- Red (63%)
- Green (33%)
- Blue (100%)



- Red (63%)
- Yellow (33%)
- Blue (100%)



- Cyan (37%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1377, 0.2335, 0.1374 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 21.1377, 0.2335, 0.1374 by changing the saturation by 10% instead.


 21.1377, 0.2335,
0.1374


 21.1377, 0.2335,
0.1374


258.0094, 0.2785,
0.2245


 13.2247, 0.2215,
0.1194


 45.3166, 0.2506,
0.1664


 7.5835, 0.2062,
0.0986


 62.3513, 0.2568,
0.1781


 3.8296, 0.1861,
0.0749


 83.1953, 0.2620,
0.1884

 1.5787, 0.1594,
0.0489

 108.2331, 0.2664,
0.1974

 0.3432, 0.1248,
0.0181

 137.8489, 0.2701,
0.2054

 0.0000, 0.0798,
0.0000

172.4274, 0.2733,

 0.0000, 0.0000,

0.2125

0.0000

212.3527, 0.2761,
0.2188

■ 21.1377, 0.2335,
0.1374

■ 21.1377, 0.2335,
0.1374

■ 16.5003, 0.2192,
0.1144

■ 27.3790, 0.2480,
0.1646

■ 13.2945, 0.2060,
0.0969

■ 35.3676, 0.2622,
0.1943


■ 11.3047, 0.1943,
0.0853

■ 45.2326, 0.2754,
0.2251

■ 10.8573, 0.1912,
0.0827

■ 57.0902, 0.2873,
0.2554

■ 71.0468, 0.2979,
0.2843

 87.2010, 0.3071,
0.3113

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



21.1377, 0.1344, 0.1179



21.1377, 0.2335, 0.1374



21.1377, 0.3991, 0.1877

Triad

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



21.1377, 0.2335, 0.1374



21.1377, 0.5624, 0.4376



21.1377, 0.1005, 0.3356

Complementary

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



21.1377, 0.2335, 0.1374



81.6064, 0.3514, 0.5149

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.



21.1377, 0.1803, 0.5721



21.1377, 0.2335, 0.1374



21.1377, 0.4394, 0.5606

Square

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



21.1377, 0.2335, 0.1374



21.1377, 0.6234, 0.3393



21.1377, 0.3030, 0.6559



21.1377, 0.0764, 0.1872

Rectangle

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



21.1377, 0.2335, 0.1374



21.1377, 0.5202, 0.2350



21.1377, 0.3030, 0.6559



21.1377, 0.1201, 0.4117

Sweetspot

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



21.1384, 0.2335, 0.1374



66.7337, 0.2950, 0.2760



40.9574, 0.2101, 0.2287



13.4357, 0.2920, 0.2679



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.



21.1384, 0.2335, 0.1374



15.4209, 0.2152, 0.1086



33.2286, 0.3117, 0.1744



17.7785, 0.3050, 0.3049



5.7597, 0.1929, 0.0836



0.6246, 0.2054, 0.0905

Inverse Universe

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



30.8065, 0.4080, 0.2397



26.2746, 0.4360, 0.2336



74.4530, 0.3057, 0.5441



18.1541, 0.3208, 0.3160



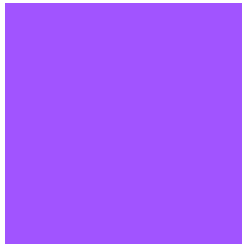
12.1301, 0.4755, 0.2393



1.2031, 0.4530, 0.2269

Previews

White Background



This preview shows how the Yxy color 21.1377, 0.2335, 0.1374 looks on a white background.

Color Contrast Check

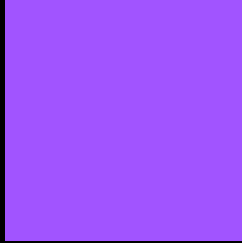
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1377, 0.2335, 0.1374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

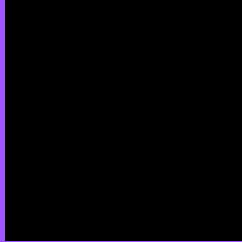
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1377, 0.2335, 0.1374

Background



This preview shows how black text looks on a background with the Yxy color 21.1377, 0.2335, 0.1374.



This preview shows how white text looks on a background with the Yxy color 21.1377, 0.2335, 0.1374.

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

21.1377, 0.2335, 0.1374

Protanopia

21.4003, 0.1768, 0.1483

Deuteranopia

21.1915, 0.1834, 0.1801



Tritanopia

21.0661, 0.3183, 0.3133

Trichromacy



Original Color

21.1377, 0.2335, 0.1374



Protanomaly

19.5229, 0.1852, 0.1365



Deuteranomaly

18.8545, 0.1848, 0.1516



Tritanomaly

20.1313, 0.2806, 0.2253

Monochromacy



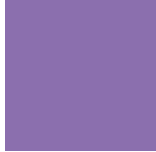
Original Color

21.1377, 0.2335, 0.1374



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.9138, 0.2771, 0.2302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1377, 0.2335, 0.1374 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(161, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 84, 255)  
}
```

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(161, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 84, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.1377, 0.2335, 0.1374 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(161, 84, 255) }
```

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

```
.border{ border-color:rgb(161, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 84,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1377, 0.2335, 0.1374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 84, 255) }
```

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

```
.background{ background-color: rgb(161, 84,  
255) }
```

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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