

Converting Colors

$Y_{xy}(21.8084, 0.2572, 0.1747)$

Have a look what the booklet for
Yxy(21.8084, 0.2572, 0.1747)
contains.

Yxy(21.8084, 0.2572, 0.1747)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8084, 0.2572, 0.1747)

Conversions

Conversions Part 1

Format	Color
Hex	A064DD
RGB	160, 100, 221
RGB Percent	63%, 39%, 87%
CMY	0.3725, 0.6079, 0.1334
CMYK	0.28, 0.55, 0.00, 0.13
HSL	270°, 64%, 63%
HSV	270°, 55%, 87%
XYZ	32.1072, 21.8084, 70.9179
YIQ	131.7340, -3.0810, 50.3510

Conversions

Conversions Part 2

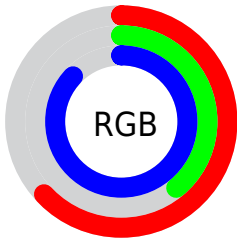
Format	Color
R _Y B	160, 100, 221
Decimal	10511581
CIE _{Lab}	53.82, 47.26, -52.98
CIE _{LCh}	54, 70.997, 311.735
Y _{xy}	21.8084, 0.2572, 0.1747
Android (android.graphics.Color)	4288701661 (0xFFA064DD)
YUV	131.7340, 44.0081, 24.7893
Hunter-Lab	46.6995, 40.9996, -57.3482

Details

The Yxy color **21.8084, 0.2572, 0.1747** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.2025, 0.3442, 0.4837**, and the grayscale version is **22.8142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7542, 0.2860, 0.2205**, and **7.8563, 0.2351, 0.1358** is the 20% darker color. If you saturate the color by 10%, you get **17.0328, 0.2439, 0.1476**, and if you desaturate by 10%, it is **27.8379, 0.2699, 0.2039**.

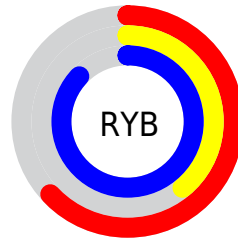
Distribution



Red (63%)

Green (39%)

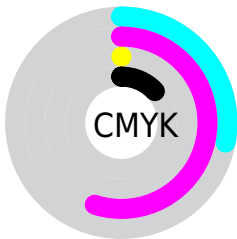
Blue (87%)



Red (63%)

Yellow (39%)

Blue (87%)

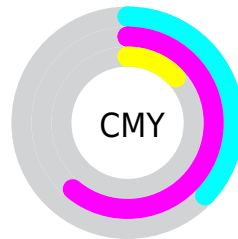


Cyan (28%)

Magenta (55%)

Yellow (0%)

Black (13%)



Cyan (37%)


Magenta (61%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8084, 0.2572, 0.1747 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 21.8084, 0.2572, 0.1747 by changing the saturation by 10% instead.


 21.8084, 0.2572,
0.1747


 21.8084, 0.2572,
0.1747


261.5441, 0.2896,
0.2497


 13.7162, 0.2480,
0.1575


 46.4291, 0.2699,
0.2010


 7.9235, 0.2356,
0.1365


 63.7264, 0.2744,
0.2112

 4.0461, 0.2184,
0.1108


 84.8608, 0.2781,
0.2199

 1.6994, 0.1938,
0.0797

 110.2168, 0.2812,
0.2275

 0.4232, 0.1585,
0.0377

140.1787, 0.2838,
0.2341

 0.0000, 0.0977,
0.0000

175.1310, 0.2860,

 0.0000, 0.0000,

0.2399

0.0000

215.4580, 0.2879,
0.2451

■ 21.8084, 0.2572,
0.1747

■ 21.8084, 0.2572,
0.1747

■ 17.0328, 0.2439,
0.1476

■ 27.8379, 0.2699,
0.2039

■ 13.4106, 0.2305,
0.1242

■ 35.2062, 0.2817,
0.2338

■ 10.8292, 0.2177,
0.1057


■ 43.9932, 0.2922,
0.2632


■ 9.1505, 0.2061,
0.0928


■ 54.2718, 0.3014,
0.2912


■ 8.5114, 0.2004,
0.0878

■ 66.1099, 0.3094,
0.3173

 79.5710, 0.3161,
0.3413

 94.7151, 0.3218,
0.3630

 96.8999, 0.3289,
0.3625

 98.0000, 0.3328,
0.3621

Harmonies

Analogous

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



21.8084, 0.1718, 0.1570



21.8084, 0.2572, 0.1747



21.8084, 0.3827, 0.2196

Triad

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



21.8084, 0.2572, 0.1747



21.8084, 0.5186, 0.4405



21.8084, 0.1460, 0.3376

Complementary

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



21.8084, 0.2572, 0.1747



60.2025, 0.3442, 0.4837

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.



21.8084, 0.2184, 0.4917



21.8084, 0.2572, 0.1747



21.8084, 0.4311, 0.5257

Square

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



21.8084, 0.2572, 0.1747



21.8084, 0.5541, 0.3584



21.8084, 0.3234, 0.5680



21.8084, 0.1189, 0.2236

Rectangle

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



21.8084, 0.2572, 0.1747



21.8084, 0.4689, 0.2614



21.8084, 0.3234, 0.5680



21.8084, 0.1649, 0.3887

Sweetspot

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



21.8092, 0.2572, 0.1747



72.9815, 0.3002, 0.2875



33.9500, 0.2260, 0.2450



14.9654, 0.2984, 0.2817



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.



21.8092, 0.2572, 0.1747



22.5552, 0.2415, 0.1431



29.3898, 0.3167, 0.1988



12.9328, 0.3058, 0.3054



5.0121, 0.2020, 0.0887



0.3759, 0.2198, 0.0985

Inverse Universe

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



27.0565, 0.3900, 0.2586



30.9876, 0.4161, 0.2478



55.4542, 0.3056, 0.5038



13.1605, 0.3213, 0.3173



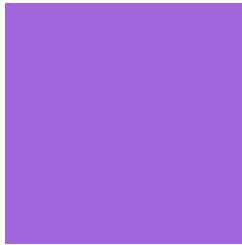
9.6242, 0.4933, 0.2491



0.6409, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 21.8084, 0.2572, 0.1747 looks on a white background.

Color Contrast Check

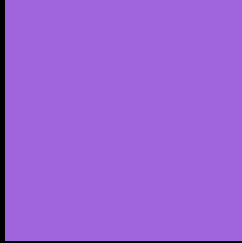
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8084, 0.2572, 0.1747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

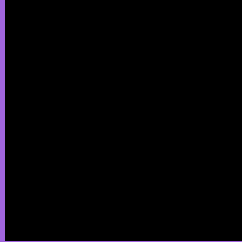
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8084, 0.2572, 0.1747

Background



This preview shows how black text looks on a background with the Yxy color 21.8084, 0.2572, 0.1747.



This preview shows how white text looks on a background with the Yxy color 21.8084, 0.2572, 0.1747.

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

21.8084, 0.2572, 0.1747

Protanopia

22.3132, 0.1872, 0.1613

Deuteranopia

22.2112, 0.2032, 0.1976



Tritanopia

21.7612, 0.3281, 0.3138

Trichromacy



Original Color

21.8084, 0.2572, 0.1747

Protanomaly

21.1466, 0.2029, 0.1621

Deuteranomaly

21.0870, 0.2164, 0.1846

Tritanomaly

21.4258, 0.2998, 0.2528

Monochromacy



Original Color

21.8084, 0.2572, 0.1747

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

21.8641, 0.2909, 0.2588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8084, 0.2572, 0.1747 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(160, 100, 221)` looks like.

```
.text, #text, p{  
    color:rgb(160, 100, 221)  
}
```

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(160, 100, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 100, 221) }
```

Border

The CSS property to change the border of an element to Yxy 21.8084, 0.2572, 0.1747 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(160, 100, 221) }
```

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

```
.border{ border-color:rgb(160, 100, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 100, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 100, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 100, 221); box-shadow:4px 4px 4px 4px rgb(160, 100, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8084, 0.2572, 0.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 100, 221) }
```

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

```
.background{ background-color: rgb(160,  
100, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor