

Converting Colors

$Y_{xy}(22.4410, 0.2473, 0.1573)$

Have a look what the booklet for
Yxy(22.4410, 0.2473, 0.1573)
contains.

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Color

Yxy(22.4750, 0.2476, 0.1575)

Conversions

Conversions Part 1

Format	Color
Hex	A55FF0
RGB	165, 95, 240
RGB Percent	65%, 37%, 94%
CMY	0.3530, 0.6274, 0.0589
CMYK	0.31, 0.60, 0.00, 0.06
HSL	269°, 83%, 66%
HSV	269°, 60%, 94%
XYZ	35.3321, 22.4750, 84.8913
YIQ	132.4600, -4.8250, 59.9350

Conversions

Conversions Part 2

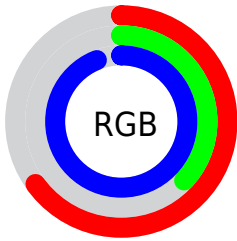
Format	Color
R_{YB}	165, 95, 240
Decimal	10838000
CIE _{Lab}	54.53, 55.51, -62.48
CIE _{LCh}	55, 83.578, 311.623
Yxy	22.4750, 0.2476, 0.1575
Android (android.graphics.Color)	4289028080 (0xFFA55FF0)
YUV	132.4600, 53.0172, 28.5376
Hunter-Lab	47.4078, 50.0690, -72.9828

Details

The Yxy color **22.4750, 0.2476, 0.1575** 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 **71.6758, 0.3470, 0.4994**, and the grayscale version is **23.0571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2471, 0.2916, 0.2173**, and **8.2630, 0.2242, 0.1191** is the 20% darker color. If you saturate the color by 10%, you get **17.5302, 0.2338, 0.1321**, and if you desaturate by 10%, it is **28.8817, 0.2611, 0.1860**.

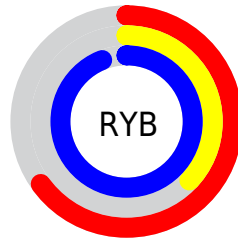
Distribution



Red (65%)

Green (37%)

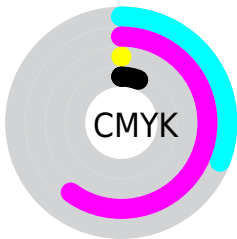
Blue (94%)



Red (65%)

Yellow (37%)

Blue (94%)

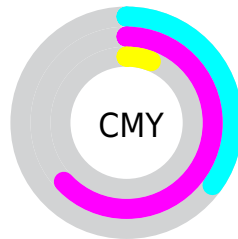


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (6%)



Cyan (35%)

Magenta (63%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4750, 0.2476, 0.1575 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 22.4750, 0.2476, 0.1575 by changing the saturation by 10% instead.


 22.4750, 0.2476,
0.1575


 22.4750, 0.2476,
0.1575


265.0169, 0.2850,
0.2379


 14.2063, 0.2373,
0.1400


 47.5298, 0.2620,
0.1850


 8.2643, 0.2238,
0.1192


 65.0848, 0.2672,
0.1958

 4.2645, 0.2057,
0.0946


 86.5039, 0.2715,
0.2052

 1.8226, 0.1807,
0.0661

 112.1717, 0.2751,
0.2135

 0.5012, 0.1462,
0.0323

142.4725, 0.2782,
0.2207

 0.0000, 0.0985,
0.0000

177.7907, 0.2808,

 0.0000, 0.0000,

0.2271

0.0000

218.5107, 0.2831,
0.2328

■ 22.4750, 0.2476,
0.1575

■ 22.4750, 0.2476,
0.1575

■ 17.5302, 0.2338,
0.1321

■ 28.8817, 0.2611,
0.1860

■ 13.9144, 0.2204,
0.1112

■ 36.8621, 0.2739,
0.2160


■ 11.4735, 0.2080,
0.0959


■ 46.5195, 0.2855,
0.2461

■ 9.9917, 0.1974,
0.0861

■ 57.9476, 0.2958,
0.2752

■ 71.2329, 0.3048,
0.3027

 86.4562, 0.3124,
0.3280

 98.4832, 0.3195,
0.3435

 99.0696, 0.3215,
0.3435

Harmonies

Analogous

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



22.4750, 0.1548, 0.1385



22.4750, 0.2476, 0.1575



22.4750, 0.3915, 0.2055

Triad

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



22.4750, 0.2476, 0.1575



22.4750, 0.5384, 0.4414



22.4750, 0.1245, 0.3359

Complementary

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



22.4750, 0.2476, 0.1575



71.6758, 0.3470, 0.4994

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.



22.4750, 0.2012, 0.5244



22.4750, 0.2476, 0.1575



22.4750, 0.4356, 0.5438

Square

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



22.4750, 0.2476, 0.1575



22.4750, 0.5863, 0.3521



22.4750, 0.3157, 0.6082



22.4750, 0.0985, 0.2066

Rectangle

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



22.4750, 0.2476, 0.1575



22.4750, 0.4928, 0.2503



22.4750, 0.3157, 0.6082



22.4750, 0.1441, 0.3974

Sweetspot

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



22.4758, 0.2476, 0.1575



69.9018, 0.2980, 0.2818



38.3531, 0.2182, 0.2374



14.0646, 0.2952, 0.2736



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.



22.4758, 0.2476, 0.1575



19.2541, 0.2313, 0.1279



32.1633, 0.3146, 0.1869



15.6031, 0.3055, 0.3051



5.5495, 0.1991, 0.0870



0.5206, 0.2134, 0.0949

Inverse Universe

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



29.6103, 0.4002, 0.2506



28.5843, 0.4269, 0.2420



65.8307, 0.3057, 0.5233



15.8954, 0.3212, 0.3168



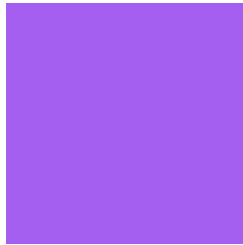
10.9667, 0.4885, 0.2465



0.9324, 0.4604, 0.2310

Previews

White Background



This preview shows how the Yxy color 22.4750, 0.2476, 0.1575 looks on a white background.

Color Contrast Check

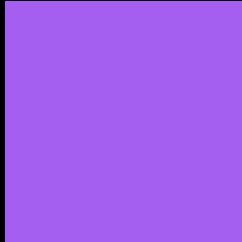
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4750, 0.2476, 0.1575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

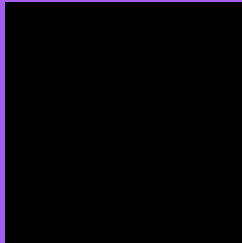
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4750, 0.2476, 0.1575

Background



This preview shows how black text looks on a background with the Yxy color 22.4750, 0.2476, 0.1575.



This preview shows how white text looks on a background with the Yxy color 22.4750, 0.2476, 0.1575.

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

22.4750, 0.2476, 0.1575

Protanopia

22.8455, 0.1824, 0.1551

Deuteranopia

22.9413, 0.1873, 0.1820



Tritanopia

22.4082, 0.3266, 0.3140

Trichromacy



Original Color

22.4750, 0.2476, 0.1575



Protanomaly

21.4389, 0.1953, 0.1506



Deuteranomaly

20.9856, 0.1968, 0.1647



Tritanomaly

21.7272, 0.2927, 0.2399

Monochromacy



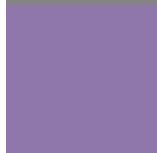
Original Color

22.4750, 0.2476, 0.1575



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

22.0632, 0.2861, 0.2480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4750, 0.2476, 0.1575 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(165, 95, 240)` looks like.

```
.text, #text, p{  
    color:rgb(165, 95, 240)  
}
```

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(165, 95, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 95, 240) }
```

Border

The CSS property to change the border of an element to Yxy 22.4750, 0.2476, 0.1575 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(165, 95, 240) }
```

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

```
.border{ border-color:rgb(165, 95, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 95, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 95, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 95, 240);  
box-shadow:4px 4px 4px 4px rgb(165, 95,  
240) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.4750, 0.2476, 0.1575$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 95, 240) }
```

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

```
.background{ background-color: rgb(165, 95,  
240) }
```

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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