

Converting Colors

$Y_{xy}(24.5280, 0.2414, 0.1728)$

Have a look what the booklet for
Yxy(24.5280, 0.2414, 0.1728)
contains.

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Color

Yxy(24.4751, 0.2414, 0.1727)

Conversions

Conversions Part 1

Format	Color
Hex	9970ED
RGB	153, 112, 237
RGB Percent	60%, 44%, 93%
CMY	0.4001, 0.5607, 0.0706
CMYK	0.35, 0.53, 0.00, 0.07
HSL	260°, 78%, 68%
HSV	260°, 53%, 93%
XYZ	34.2113, 24.4751, 83.0339
YIQ	138.5090, -15.6890, 47.5670

Conversions

Conversions Part 2

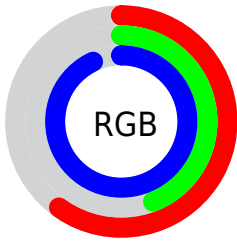
Format	Color
R _Y B	153, 112, 237
Decimal	10055917
CIE Lab	56.56, 42.91, -57.62
CIE LCh	57, 71.842, 306.675
Yxy	24.4751, 0.2414, 0.1727
Android (android.graphics.Color)	4288245997 (0xFF9970ED)
YUV	138.5090, 48.5561, 12.7086
Hunter-Lab	49.4723, 36.8605, -64.8812

Details

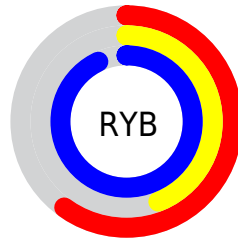
The Yxy color **24.4751, 0.2414, 0.1727** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **73.4741, 0.3588, 0.4709**, and the grayscale version is **25.4360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9792, 0.2818, 0.2316**, and **9.2273, 0.2168, 0.1353** is the 20% darker color. If you saturate the color by 10%, you get **18.4676, 0.2245, 0.1423**, and if you desaturate by 10%, it is **32.0674, 0.2579, 0.2047**.

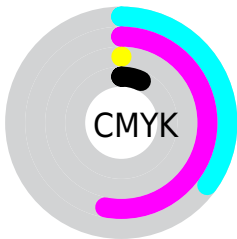
Distribution



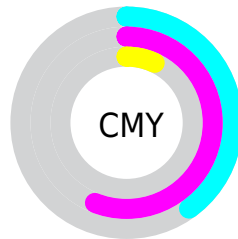
- Red (60%)
- Green (44%)
- Blue (93%)



- Red (60%)
- Yellow (44%)
- Blue (93%)



- Cyan (35%)
- Magenta (53%)
- Yellow (0%)
- Black (7%)





- Cyan (40%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4751, 0.2414, 0.1727 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 24.4751, 0.2414, 0.1727 by changing the saturation by 10% instead.


 24.4751, 0.2414,
0.1727


 24.4751, 0.2414,
0.1727


275.2137, 0.2809,
0.2473

 15.6864, 0.2308,
0.1560


 50.8044, 0.2564,
0.1985

 9.3025, 0.2171,
0.1358


 69.1138, 0.2619,
0.2087

 4.9390, 0.1988,
0.1114


 91.3656, 0.2664,
0.2174

 2.2115, 0.1738,
0.0821

 117.9441, 0.2702,
0.2249

 0.7263, 0.1390,
0.0482

149.2338, 0.2735,
0.2316

 0.0000, 0.0918,
0.0000

185.6190, 0.2763,

 0.0000, 0.0000,

0.2374

0.0000

227.4842, 0.2788,
0.2426

■ 24.4751, 0.2414,
0.1727

■ 24.4751, 0.2414,
0.1727

■ 18.4676, 0.2245,
0.1423

■ 32.0674, 0.2579,
0.2047

■ 13.9236, 0.2080,
0.1156

■ 41.3481, 0.2732,
0.2367

■ 10.7080, 0.1929,
0.0942


■ 52.4147, 0.2872,
0.2675


■ 8.6574, 0.1800,
0.0794

■ 65.3566, 0.2994,
0.2962

■ 7.7192, 0.1724,
0.0723

■ 80.2570, 0.3101,
0.3223

 97.1941, 0.3192,
0.3458

 98.8939, 0.3232,
0.3464

Harmonies

Analogous

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



24.4751, 0.1647, 0.1601



24.4751, 0.2414, 0.1727



24.4751, 0.3590, 0.2127

Triad

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



24.4751, 0.2414, 0.1727



24.4751, 0.5254, 0.4257



24.4751, 0.1584, 0.3625

Complementary

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



24.4751, 0.2414, 0.1727



73.4741, 0.3588, 0.4709

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.



24.4751, 0.2371, 0.5078



24.4751, 0.2414, 0.1727



24.4751, 0.4465, 0.5095

Square

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



24.4751, 0.2414, 0.1727



24.4751, 0.5467, 0.3463



24.4751, 0.3427, 0.5614



24.4751, 0.1242, 0.2408

Rectangle

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



24.4751, 0.2414, 0.1727



24.4751, 0.4451, 0.2521



24.4751, 0.3427, 0.5614



24.4751, 0.1799, 0.4134

Sweetspot

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



24.4760, 0.2414, 0.1727



71.8381, 0.2955, 0.2869



49.6817, 0.2345, 0.2772



14.6940, 0.2930, 0.2810



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.



24.4760, 0.2414, 0.1727



21.4902, 0.2236, 0.1409



32.0146, 0.2967, 0.1945



14.7886, 0.3031, 0.3050



4.2781, 0.1739, 0.0732



0.3864, 0.1889, 0.0814

Inverse Universe

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



33.5828, 0.3612, 0.2393



33.6090, 0.3751, 0.2252



66.8782, 0.3175, 0.4916



15.2249, 0.3188, 0.3133



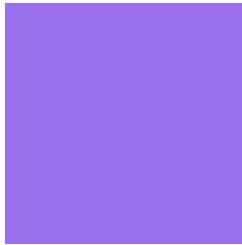
11.2281, 0.4250, 0.2115



0.8993, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 24.4751, 0.2414, 0.1727 looks on a white background.

Color Contrast Check

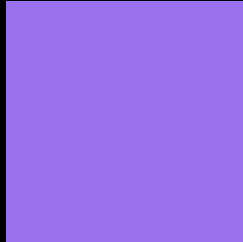
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4751, 0.2414, 0.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

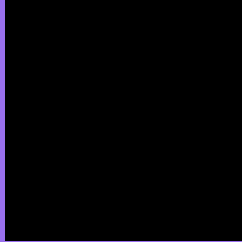
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4751, 0.2414, 0.1727

Background



This preview shows how black text looks on a background with the Yxy color 24.4751, 0.2414, 0.1727.



This preview shows how white text looks on a background with the Yxy color 24.4751, 0.2414, 0.1727.

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

24.4751, 0.2414, 0.1727

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.8075, 0.1968, 0.1905



Tritanopia

24.4716, 0.3005, 0.3105

Trichromacy



Original Color

24.4751, 0.2414, 0.1727



Protanomaly

24.1539, 0.2028, 0.1659



Deuteranomaly

23.8657, 0.2071, 0.1804



Tritanomaly

24.0961, 0.2762, 0.2492

Monochromacy



Original Color

24.4751, 0.2414, 0.1727



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.7250, 0.2830, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4751, 0.2414, 0.1727 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(153, 112, 237)` looks like.

```
.text, #text, p{  
    color:rgb(153, 112, 237)  
}
```

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(153, 112, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 112, 237) }
```

Border

The CSS property to change the border of an element to Yxy 24.4751, 0.2414, 0.1727 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(153, 112, 237) }
```

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

```
.border{ border-color:rgb(153, 112, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 112, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 112, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 112, 237);  
box-shadow:4px 4px 4px 4px rgb(153, 112,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4751, 0.2414, 0.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 112, 237) }
```

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

```
.background{ background-color: rgb(153,  
112, 237) }
```

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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