

Converting Colors

$Y_{xy}(25.5017, 0.2483, 0.1764)$

Have a look what the booklet for
Yxy(25.5017, 0.2483, 0.1764)
contains.

Yxy(25.5017, 0.2483, 0.1764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.5017, 0.2483, 0.1764)

Conversions

Conversions Part 1

Format	Color
Hex	A171ED
RGB	161, 113, 237
RGB Percent	63%, 44%, 93%
CMY	0.3685, 0.5569, 0.0705
CMYK	0.32, 0.52, 0.00, 0.07
HSL	263°, 78%, 69%
HSV	263°, 52%, 93%
XYZ	35.8961, 25.5017, 83.1697
YIQ	141.4880, -11.1960, 48.7400

Conversions

Conversions Part 2

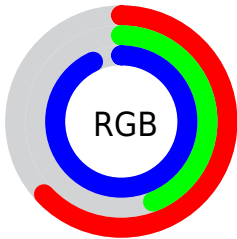
Format	Color
R_{YB}	161, 113, 237
Decimal	10580461
CIE _{Lab}	57.56, 44.34, -55.99
CIE _{LCh}	58, 71.425, 308.376
Yxy	25.5017, 0.2483, 0.1764
Android (android.graphics.Color)	4288770541 (0xFFA171ED)
YUV	141.4880, 47.0874, 17.1120
Hunter-Lab	50.4992, 38.5087, -62.2982

Details

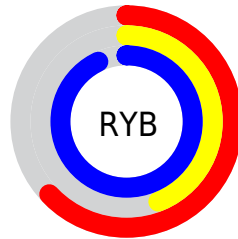
The Yxy color **25.5017, 0.2483, 0.1764** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **72.5904, 0.3532, 0.4726**, and the grayscale version is **26.6529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5525, 0.2881, 0.2344**, and **9.8536, 0.2265, 0.1409** is the 20% darker color. If you saturate the color by 10%, you get **19.4652, 0.2326, 0.1468**, and if you desaturate by 10%, it is **33.0959, 0.2634, 0.2076**.

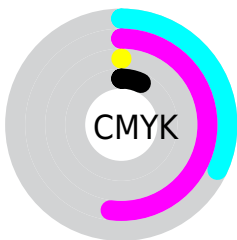
Distribution



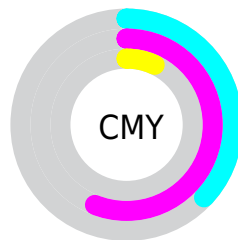
- Red (63%)
- Green (44%)
- Blue (93%)



- Red (63%)
- Yellow (44%)
- Blue (93%)



- Cyan (32%)
- Magenta (52%)
- Yellow (0%)
- Black (7%)




- Cyan (37%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5017, 0.2483, 0.1764 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 25.5017, 0.2483, 0.1764 by changing the saturation by 10% instead.


 25.5017, 0.2483,
0.1764


 25.5017, 0.2483,
0.1764


280.3273, 0.2842,
0.2490


 16.4512, 0.2386,
0.1601


 52.4700, 0.2620,
0.2016

 9.8440, 0.2260,
0.1404


 71.1566, 0.2669,
0.2114

 5.2957, 0.2091,
0.1165


 93.8240, 0.2711,
0.2199

 2.4218, 0.1857,
0.0876

 120.8566, 0.2745,
0.2272

 0.8371, 0.1526,
0.0541

152.6389, 0.2775,
0.2337

 0.0000, 0.1082,
0.0000

189.5551, 0.2800,

 0.0000, 0.0000,

0.2394

0.0000

231.9898, 0.2822,
0.2445

■ 25.5017, 0.2483,
0.1764

■ 25.5017, 0.2483,
0.1764

■ 19.4652, 0.2326,
0.1468

■ 33.0959, 0.2634,
0.2076

■ 14.8678, 0.2169,
0.1207

■ 42.3488, 0.2775,
0.2389

■ 11.5774, 0.2023,
0.0996


■ 53.3560, 0.2901,
0.2691


■ 9.4345, 0.1894,
0.0847

■ 66.2048, 0.3011,
0.2974

■ 8.3816, 0.1809,
0.0770

■ 80.9765, 0.3107,
0.3233

 97.6213, 0.3189,
0.3466

 98.8959, 0.3232,
0.3463

Harmonies

Analogous

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



25.5017, 0.1700, 0.1624



25.5017, 0.2483, 0.1764



25.5017, 0.3656, 0.2175

Triad

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



25.5017, 0.2483, 0.1764



25.5017, 0.5193, 0.4301



25.5017, 0.1579, 0.3539

Complementary

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



25.5017, 0.2483, 0.1764



72.5904, 0.3532, 0.4726

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.



25.5017, 0.2335, 0.4971



25.5017, 0.2483, 0.1764



25.5017, 0.4400, 0.5116

Square

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



25.5017, 0.2483, 0.1764



25.5017, 0.5437, 0.3512



25.5017, 0.3371, 0.5572



25.5017, 0.1261, 0.2377

Rectangle

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



25.5017, 0.2483, 0.1764



25.5017, 0.4494, 0.2571



25.5017, 0.3371, 0.5572



25.5017, 0.1783, 0.4033

Sweetspot

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



25.5026, 0.2483, 0.1764



72.2381, 0.2972, 0.2871



46.2255, 0.2328, 0.2663



14.7888, 0.2949, 0.2812



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.



25.5026, 0.2483, 0.1764



22.4136, 0.2311, 0.1443



33.5394, 0.3048, 0.1985



14.8334, 0.3040, 0.3051



4.6452, 0.1826, 0.0780



0.4188, 0.1980, 0.0865

Inverse Universe

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



33.4883, 0.3692, 0.2472



33.1679, 0.3868, 0.2338



66.3216, 0.3127, 0.4927



15.2092, 0.3197, 0.3147



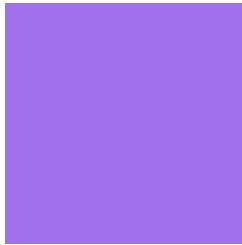
10.9757, 0.4486, 0.2245



0.8806, 0.4262, 0.2121

Previews

White Background



This preview shows how the Yxy color 25.5017, 0.2483, 0.1764 looks on a white background.

Color Contrast Check

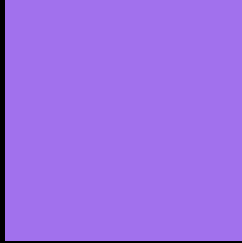
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5017, 0.2483, 0.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

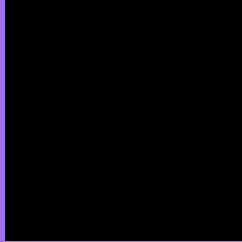
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5017, 0.2483, 0.1764

Background



This preview shows how black text looks on a background with the Yxy color 25.5017, 0.2483, 0.1764.



This preview shows how white text looks on a background with the Yxy color 25.5017, 0.2483, 0.1764.

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

25.5017, 0.2483, 0.1764

Protanopia

25.8067, 0.1927, 0.1682

Deuteranopia

25.7306, 0.2020, 0.1957



Tritanopia

25.5233, 0.3102, 0.3127

Trichromacy



Original Color

25.5017, 0.2483, 0.1764



Protanomaly

24.8248, 0.2069, 0.1685



Deuteranomaly

24.9126, 0.2138, 0.1860



Tritanomaly

25.1770, 0.2854, 0.2527

Monochromacy



Original Color

25.5017, 0.2483, 0.1764



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.6631, 0.2863, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5017, 0.2483, 0.1764 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, 113, 237)` looks like.

```
.text, #text, p{  
    color:rgb(161, 113, 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(161, 113, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 113, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.5017, 0.2483, 0.1764 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, 113, 237) }
```

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

```
.border{ border-color:rgb(161, 113, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 113, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 113, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 113, 237);  
box-shadow:4px 4px 4px 4px rgb(161, 113,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5017, 0.2483, 0.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 113, 237) }
```

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

```
.background{ background-color: rgb(161,  
113, 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](#).

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