

Converting Colors

$Y_{xy}(28.3789, 0.2464, 0.1858)$

Have a look what the booklet for
Yxy(28.3789, 0.2464, 0.1858)
contains.

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Color

Yxy(28.4917, 0.2466, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	A07DF1
RGB	160, 125, 241
RGB Percent	63%, 49%, 95%
CMY	0.3724, 0.5099, 0.0549
CMYK	0.34, 0.48, 0.00, 0.05
HSL	258°, 81%, 72%
HSV	258°, 48%, 95%
XYZ	37.7137, 28.4917, 86.7292
YIQ	148.6890, -16.3760, 43.4960

Conversions

Conversions Part 2

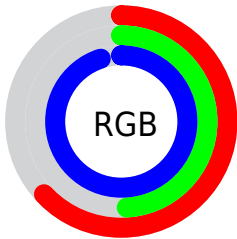
Format	Color
R _Y B	160, 125, 241
Decimal	10518001
CIE Lab	60.33, 38.40, -53.79
CIE LCh	60, 66.094, 305.525
Yxy	28.4917, 0.2466, 0.1863
Android (android.graphics.Color)	4288708081 (0xFFA07DF1)
YUV	148.6890, 45.5093, 9.9197
Hunter-Lab	53.3776, 32.7073, -58.9714

Details

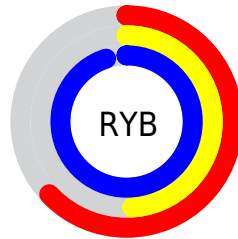
The Yxy color **28.4917, 0.2466, 0.1863** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **77.5036, 0.3580, 0.4579**, and the grayscale version is **29.7302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9662, 0.2877, 0.2469**, and **11.4359, 0.2251, 0.1525** is the 20% darker color. If you saturate the color by 10%, you get **21.4961, 0.2293, 0.1546**, and if you desaturate by 10%, it is **37.2039, 0.2632, 0.2189**.

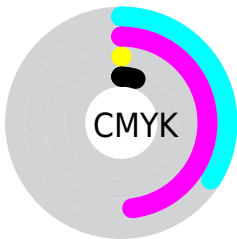
Distribution



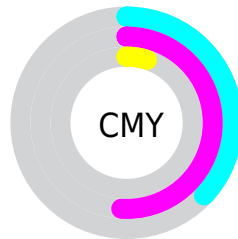
- Red (63%)
- Green (49%)
- Blue (95%)



- Red (63%)
- Yellow (49%)
- Blue (95%)



- Cyan (34%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)



- Cyan (37%)
- Magenta (51%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4917, 0.2466, 0.1863 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 28.4917, 0.2466, 0.1863 by changing the saturation by 10% instead.


 28.4917, 0.2466,
0.1863


 28.4917, 0.2466,
0.1863

294.8090, 0.2825,
0.2541

 18.6966, 0.2372,
0.1710


 57.2685, 0.2601,
0.2098

 11.4513, 0.2250,
0.1524


 77.0191, 0.2650,
0.2190

 6.3712, 0.2089,
0.1296


 100.8569, 0.2691,
0.2269

 3.0721, 0.1867,
0.1018

129.1664, 0.2726,
0.2338

 1.1695, 0.1557,
0.0683

162.3319, 0.2756,
0.2398

 0.0366, 0.1151,
0.0043

200.7380, 0.2782,

 0.0000, 0.0000,

0.2451

0.0000

244.7689, 0.2805,
0.2499

■ 28.4917, 0.2466,
0.1863

■ 28.4917, 0.2466,
0.1863

■ 21.4961, 0.2293,
0.1546

■ 37.2039, 0.2632,
0.2189

■ 16.0956, 0.2121,
0.1256

■ 47.7363, 0.2785,
0.2507

■ 12.1574, 0.1960,
0.1013

■ 60.1880, 0.2922,
0.2808

■ 9.5248, 0.1820,
0.0833

■ 74.6497, 0.3042,
0.3085

■ 7.9829, 0.1708,
0.0721

■ 91.2066, 0.3145,
0.3334

■ 7.7604, 0.1690,
0.0705

■ 99.1308, 0.3209,
0.3425

Harmonies

Analogous

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



28.4917, 0.1772, 0.1760



28.4917, 0.2466, 0.1863



28.4917, 0.3501, 0.2226

Triad

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



28.4917, 0.2466, 0.1863



28.4917, 0.5071, 0.4198



28.4917, 0.1776, 0.3648

Complementary

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



28.4917, 0.2466, 0.1863



77.5036, 0.3580, 0.4579

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.



28.4917, 0.2518, 0.4856



28.4917, 0.2466, 0.1863



28.4917, 0.4410, 0.4920

Square

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



28.4917, 0.2466, 0.1863



28.4917, 0.5191, 0.3468



28.4917, 0.3484, 0.5319



28.4917, 0.1425, 0.2562

Rectangle

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



28.4917, 0.2466, 0.1863



28.4917, 0.4252, 0.2587



28.4917, 0.3484, 0.5319



28.4917, 0.1983, 0.4078

Sweetspot

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



28.4927, 0.2466, 0.1863



74.8772, 0.2973, 0.2924



54.9464, 0.2410, 0.2850



15.2868, 0.2946, 0.2863



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.



28.4927, 0.2466, 0.1863



24.4116, 0.2292, 0.1545



35.8887, 0.2969, 0.2047



15.4603, 0.3027, 0.3049



4.2698, 0.1705, 0.0713



0.4052, 0.1844, 0.0789

Inverse Universe

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



37.8179, 0.3524, 0.2435



36.4647, 0.3641, 0.2282



70.7037, 0.3189, 0.4756



15.9453, 0.3184, 0.3127



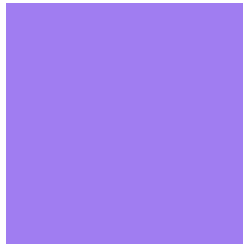
11.7027, 0.4154, 0.2062



0.9911, 0.3999, 0.1977

Previews

White Background



This preview shows how the Yxy color 28.4917, 0.2466, 0.1863 looks on a white background.

Color Contrast Check

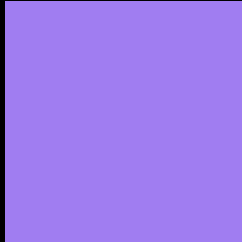
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4917, 0.2466, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

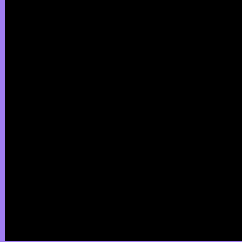
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4917, 0.2466, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 28.4917, 0.2466, 0.1863.



This preview shows how white text looks on a background with the Yxy color 28.4917, 0.2466, 0.1863.

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

28.4917, 0.2466, 0.1863

Protanopia

28.9457, 0.2024, 0.1812

Deuteranopia

28.7876, 0.2090, 0.2031



Tritanopia

28.4907, 0.3002, 0.3115

Trichromacy



Original Color

28.4917, 0.2466, 0.1863



Protanomaly

28.3620, 0.2149, 0.1818



Deuteranomaly

27.9948, 0.2191, 0.1941



Tritanomaly

28.1544, 0.2782, 0.2572

Monochromacy



Original Color

28.4917, 0.2466, 0.1863



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.9059, 0.2865, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4917, 0.2466, 0.1863 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, 125, 241)` looks like.

```
.text, #text, p{  
    color:rgb(160, 125, 241)  
}
```

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, 125, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 125, 241) }
```

Border

The CSS property to change the border of an element to Yxy 28.4917, 0.2466, 0.1863 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, 125, 241) }
```

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

```
.border{ border-color:rgb(160, 125, 241) }
```

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

Here you see how a box with a 4 pixel rgb(160, 125, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 125, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 125, 241);  
box-shadow:4px 4px 4px 4px rgb(160, 125,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4917, 0.2466, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 125, 241) }
```

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

```
.background{ background-color: rgb(160,  
125, 241) }
```

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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