

Converting Colors

$Y_{xy}(27.7602, 0.2484, 0.1868)$

Have a look what the booklet for
Yxy(27.7602, 0.2484, 0.1868)
contains.

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Color

Yxy(27.8125, 0.2482, 0.1865)

Conversions

Conversions Part 1

Format	Color
Hex	A07BEE
RGB	160, 123, 238
RGB Percent	63%, 48%, 93%
CMY	0.3725, 0.5177, 0.0667
CMYK	0.33, 0.48, 0.00, 0.07
HSL	259°, 77%, 71%
HSV	259°, 48%, 93%
XYZ	37.0137, 27.8125, 84.3024
YIQ	147.1730, -14.8630, 43.6090

Conversions

Conversions Part 2

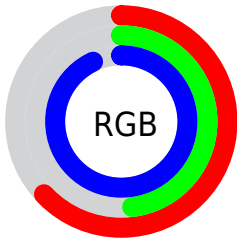
Format	Color
R _Y B	160, 123, 238
Decimal	10517486
CIE Lab	59.72, 38.75, -53.10
CIE LCh	60, 65.737, 306.123
Yxy	27.8125, 0.2482, 0.1865
Android (android.graphics.Color)	4288707566 (0xFFA07BEE)
YUV	147.1730, 44.7777, 11.2493
Hunter-Lab	52.7376, 32.9891, -57.8604

Details

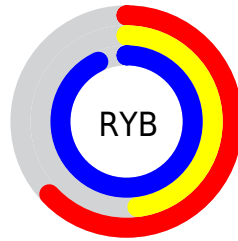
The Yxy color $27.8125, 0.2482, 0.1865$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $74.9913, 0.3564, 0.4590$, and the grayscale version is $29.0699, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.0224, 0.2869, 0.2446$, and $11.0443, 0.2268, 0.1524$ is the 20% darker color. If you saturate the color by 10%, you get $21.0524, 0.2313, 0.1551$, and if you desaturate by 10%, it is $36.2256, 0.2644, 0.2188$.

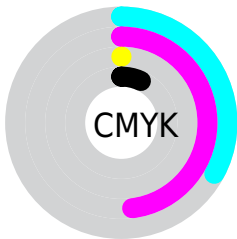
Distribution



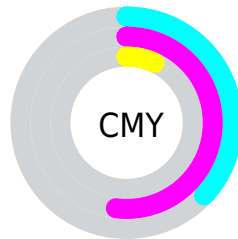
- Red (63%)
- Green (48%)
- Blue (93%)



- Red (63%)
- Yellow (48%)
- Blue (93%)



- Cyan (33%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)





- Cyan (37%)
- Magenta (52%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8125, 0.2482, 0.1865 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 27.8125, 0.2482, 0.1865 by changing the saturation by 10% instead.


 27.8125, 0.2482,
0.1865


 27.8125, 0.2482,
0.1865


291.5699, 0.2834,
0.2545


 18.1844, 0.2389,
0.1711


 56.1850, 0.2615,
0.2102

 11.0824, 0.2268,
0.1523


 75.6981, 0.2663,
0.2194

 6.1223, 0.2106,
0.1293


 99.2749, 0.2704,
0.2273

 2.9196, 0.1884,
0.1011

127.3000, 0.2738,
0.2342

 1.0899, 0.1569,
0.0672

160.1576, 0.2767,
0.2402

 0.0000, 0.1157,
0.0000

198.2322, 0.2793,

 0.0000, 0.0000,

0.2455

0.0000

241.9082, 0.2815,
0.2503

■ 27.8125, 0.2482,
0.1865

■ 27.8125, 0.2482,
0.1865

■ 21.0524, 0.2313,
0.1551

■ 36.2256, 0.2644,
0.2188

■ 15.8281, 0.2144,
0.1264

■ 46.3917, 0.2793,
0.2504

■ 12.0116, 0.1985,
0.1024

■ 58.4061, 0.2926,
0.2804

■ 9.4514, 0.1845,
0.0846

■ 72.3565, 0.3042,
0.3080

■ 7.9356, 0.1732,
0.0734

■ 88.3248, 0.3143,
0.3330

■ 7.7342, 0.1716,
0.0719

■ 98.9528, 0.3226,
0.3454

Harmonies

Analogous

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



27.8125, 0.1780, 0.1757



27.8125, 0.2482, 0.1865



27.8125, 0.3525, 0.2233

Triad

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



27.8125, 0.2482, 0.1865



27.8125, 0.5066, 0.4213



27.8125, 0.1761, 0.3623

Complementary

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



27.8125, 0.2482, 0.1865



74.9913, 0.3564, 0.4590

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.



27.8125, 0.2498, 0.4841



27.8125, 0.2482, 0.1865



27.8125, 0.4395, 0.4936

Square

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



27.8125, 0.2482, 0.1865



27.8125, 0.5201, 0.3481



27.8125, 0.3464, 0.5325



27.8125, 0.1419, 0.2543

Rectangle

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



27.8125, 0.2482, 0.1865



27.8125, 0.4276, 0.2597



27.8125, 0.3464, 0.5325



27.8125, 0.1966, 0.4055

Sweetspot

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



27.8135, 0.2482, 0.1865



74.9939, 0.2978, 0.2925



52.4279, 0.2403, 0.2823



15.3150, 0.2952, 0.2864



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.



27.8135, 0.2482, 0.1865



24.6958, 0.2314, 0.1554



35.0768, 0.2986, 0.2050



15.4757, 0.3030, 0.3049



4.3767, 0.1730, 0.0727



0.4157, 0.1871, 0.0805

Inverse Universe

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



36.5582, 0.3550, 0.2454



36.3205, 0.3674, 0.2308



68.5132, 0.3177, 0.4767



15.9398, 0.3187, 0.3131



11.6090, 0.4229, 0.2103



0.9839, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 27.8125, 0.2482, 0.1865 looks on a white background.

Color Contrast Check

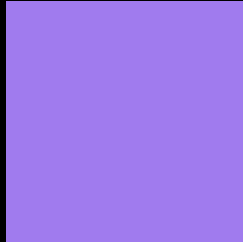
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8125, 0.2482, 0.1865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

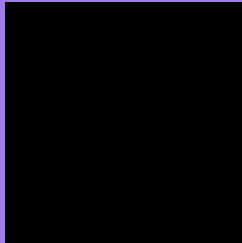
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8125, 0.2482, 0.1865

Background



This preview shows how black text looks on a background with the Yxy color 27.8125, 0.2482, 0.1865.

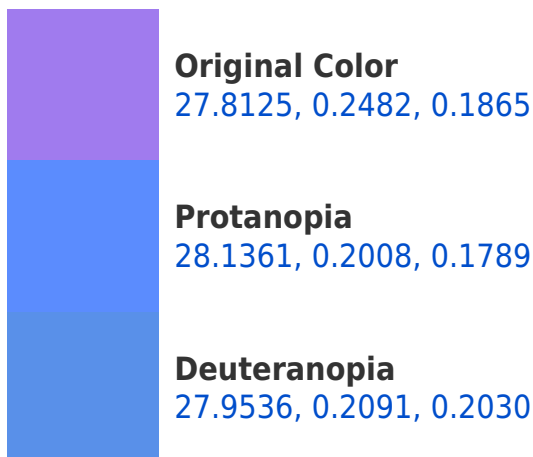


This preview shows how white text looks on a background with the Yxy color 27.8125, 0.2482, 0.1865.

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





Tritanopia

27.8177, 0.3021, 0.3114

Trichromacy



Original Color

27.8125, 0.2482, 0.1865



Protanomaly

27.5405, 0.2141, 0.1805



Deuteranomaly

27.2513, 0.2199, 0.1942



Tritanomaly

27.5007, 0.2797, 0.2568

Monochromacy



Original Color

27.8125, 0.2482, 0.1865



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

28.1476, 0.2871, 0.2670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8125, 0.2482, 0.1865 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, 123, 238)` looks like.

```
.text, #text, p{  
    color:rgb(160, 123, 238)  
}
```

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, 123, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 123, 238) }
```

Border

The CSS property to change the border of an element to Yxy 27.8125, 0.2482, 0.1865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

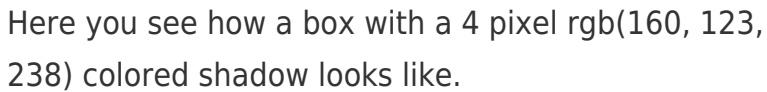
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 123, 238) }
```

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

```
.border{ border-color:rgb(160, 123, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 123, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 123, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 123, 238);  
box-shadow:4px 4px 4px 4px rgb(160, 123,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8125, 0.2482, 0.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 123, 238) }
```

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

```
.background{ background-color: rgb(160,  
123, 238) }
```

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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