

Converting Colors

$Y_{xy}(29.7411, 0.2509, 0.1913)$

Have a look what the booklet for
Yxy(29.7411, 0.2509, 0.1913)
contains.

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Color

Yxy(29.7885, 0.2510, 0.1912)

Conversions

Conversions Part 1

Format	Color
Hex	A580F1
RGB	165, 128, 241
RGB Percent	65%, 50%, 95%
CMY	0.3531, 0.4979, 0.0549
CMYK	0.32, 0.47, 0.00, 0.05
HSL	260°, 80%, 72%
HSV	260°, 47%, 95%
XYZ	39.1052, 29.7885, 86.9039
YIQ	151.9450, -14.2210, 42.9870

Conversions

Conversions Part 2

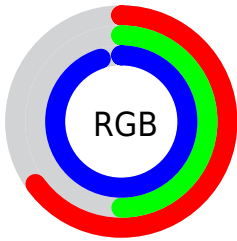
Format	Color
R_{YB}	165, 128, 241
Decimal	10846449
CIE _{Lab}	61.47, 37.95, -51.95
CIE _{LCh}	61, 64.335, 306.150
Yxy	29.7885, 0.2510, 0.1912
Android (android.graphics.Color)	4289036529 (0xFFA580F1)
YUV	151.9450, 43.9041, 11.4492
Hunter-Lab	54.5788, 32.3805, -56.2001

Details

The Yxy color **29.7885, 0.2510, 0.1912** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **77.3138, 0.3550, 0.4554**, and the grayscale version is **31.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9557, 0.2916, 0.2510**, and **12.1607, 0.2308, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **22.6005, 0.2342, 0.1596**, and if you desaturate by 10%, it is **38.6922, 0.2669, 0.2234**.

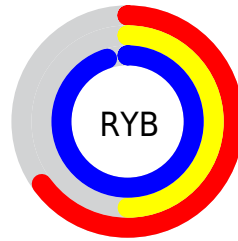
Distribution



Red (65%)

Green (50%)

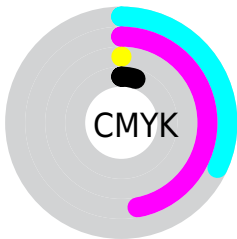
Blue (95%)



Red (65%)

Yellow (50%)

Blue (95%)

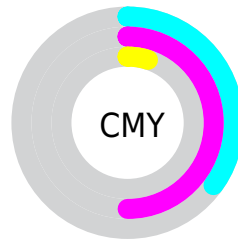


Cyan (32%)

Magenta (47%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (50%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7885, 0.2510, 0.1912 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 29.7885, 0.2510, 0.1912 by changing the saturation by 10% instead.


 29.7885, 0.2510,
0.1912


 29.7885, 0.2510,
0.1912


300.9174, 0.2844,
0.2566

 19.6781, 0.2422,
0.1764


 59.3275, 0.2635,
0.2139

 12.1613, 0.2309,
0.1584


 79.5250, 0.2681,
0.2228

 6.8536, 0.2157,
0.1362


 103.8536, 0.2720,
0.2304

 3.3707, 0.1949,
0.1089

132.6977, 0.2753,
0.2370

 1.3282, 0.1655,
0.0756

166.4417, 0.2780,
0.2428

 0.1629, 0.1257,
0.0185

205.4701, 0.2805,

 0.0000, 0.0078,

0.2480

0.0000

250.1672, 0.2826,
0.2525

0.0000, 0.0000,
0.0000

29.7885, 0.2510,
0.1912

29.7885, 0.2510,
0.1912

22.6005, 0.2342,
0.1596

38.6922, 0.2669,
0.2234

17.0092, 0.2173,
0.1305

49.4128, 0.2815,
0.2549

12.8853, 0.2013,
0.1058

62.0476, 0.2945,
0.2845

10.0768, 0.1870,
0.0871

76.6857, 0.3058,
0.3118

8.3918, 0.1753,
0.0751

93.4107, 0.3156,
0.3364

■ 8.0035, 0.1722,
0.0722

■ 99.1306, 0.3209,
0.3425

Harmonies

Analogous

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



29.7885, 0.1827, 0.1808



29.7885, 0.2510, 0.1912



29.7885, 0.3512, 0.2271

Triad

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



29.7885, 0.2510, 0.1912



29.7885, 0.4999, 0.4200



29.7885, 0.1814, 0.3612

Complementary

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



29.7885, 0.2510, 0.1912



77.3138, 0.3550, 0.4554

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.



29.7885, 0.2530, 0.4762



29.7885, 0.2510, 0.1912



29.7885, 0.4362, 0.4885

Square

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



29.7885, 0.2510, 0.1912



29.7885, 0.5117, 0.3489



29.7885, 0.3465, 0.5235



29.7885, 0.1476, 0.2579

Rectangle

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



29.7885, 0.2510, 0.1912



29.7885, 0.4229, 0.2626



29.7885, 0.3465, 0.5235



29.7885, 0.2014, 0.4020

Sweetspot

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



29.7896, 0.2510, 0.1912



75.0237, 0.2979, 0.2925



54.7103, 0.2422, 0.2839



15.3222, 0.2953, 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.



29.7896, 0.2510, 0.1912



26.2113, 0.2354, 0.1618



37.0552, 0.2992, 0.2084



15.4796, 0.3031, 0.3049



4.4052, 0.1737, 0.0730



0.4184, 0.1879, 0.0809

Inverse Universe

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



38.5074, 0.3539, 0.2482



37.4623, 0.3656, 0.2342



70.8319, 0.3177, 0.4718



15.9384, 0.3188, 0.3132



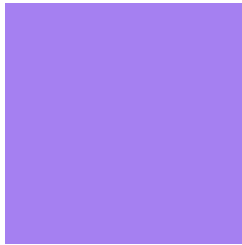
11.5857, 0.4248, 0.2114



0.9820, 0.4077, 0.2019

Previews

White Background



This preview shows how the Yxy color 29.7885, 0.2510, 0.1912 looks on a white background.

Color Contrast Check

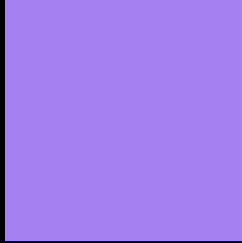
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7885, 0.2510, 0.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

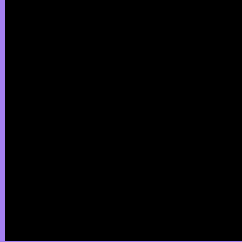
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7885, 0.2510, 0.1912

Background



This preview shows how black text looks on a background with the Yxy color 29.7885, 0.2510, 0.1912.



This preview shows how white text looks on a background with the Yxy color 29.7885, 0.2510, 0.1912.

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

29.7885, 0.2510, 0.1912

Protanopia

30.1801, 0.2060, 0.1860

Deuteranopia

30.2060, 0.2134, 0.2075



Tritanopia

29.6665, 0.3024, 0.3104

Trichromacy



Original Color

29.7885, 0.2510, 0.1912



Protanomaly

29.6525, 0.2192, 0.1867



Deuteranomaly

29.3604, 0.2241, 0.1995



Tritanomaly

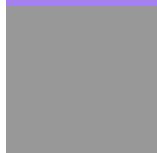
29.3003, 0.2814, 0.2586

Monochromacy



Original Color

29.7885, 0.2510, 0.1912



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.2737, 0.2887, 0.2700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7885, 0.2510, 0.1912 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, 128, 241)` looks like.

```
.text, #text, p{  
    color:rgb(165, 128, 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(165, 128, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 128, 241) }
```

Border

The CSS property to change the border of an element to Yxy 29.7885, 0.2510, 0.1912 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, 128, 241) }
```

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

```
.border{ border-color:rgb(165, 128, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 128, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 128, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 128, 241);  
box-shadow:4px 4px 4px 4px rgb(165, 128,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7885, 0.2510, 0.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 128, 241) }
```

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

```
.background{ background-color: rgb(165,  
128, 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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