

Converting Colors

$Y_{xy}(30.5291, 0.2467, 0.1844)$

Have a look what the booklet for
Yxy(30.5291, 0.2467, 0.1844)
contains.

Yxy(30.5560, 0.2470, 0.1845)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5560, 0.2470, 0.1845)

Conversions

Conversions Part 1

Format	Color
Hex	A780FA
RGB	167, 128, 250
RGB Percent	65%, 50%, 98%
CMY	0.3451, 0.4980, 0.0198
CMYK	0.33, 0.49, 0.00, 0.02
HSL	259°, 92%, 74%
HSV	259°, 49%, 98%
XYZ	40.9069, 30.5560, 94.1522
YIQ	153.5690, -15.9180, 46.2100

Conversions

Conversions Part 2

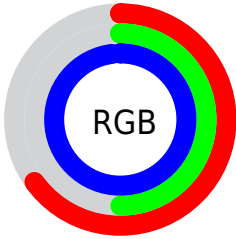
Format	Color
R_{YB}	167, 128, 250
Decimal	10977530
CIE _{Lab}	62.13, 40.73, -55.83
CIE _{LCh}	62, 69.111, 306.114
Yxy	30.5560, 0.2470, 0.1845
Android (android.graphics.Color)	4289167610 (0xFFA780FA)
YUV	153.5690, 47.5405, 11.7790
Hunter-Lab	55.2775, 35.3596, -62.2924

Details

The Yxy color **30.5560, 0.2470, 0.1845** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **83.7493, 0.3570, 0.4606**, and the grayscale version is **31.9116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6834, 0.2931, 0.2524**, and **12.6785, 0.2264, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **23.0876, 0.2300, 0.1531**, and if you desaturate by 10%, it is **39.8759, 0.2633, 0.2169**.

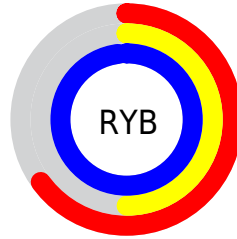
Distribution



Red (65%)

Green (50%)

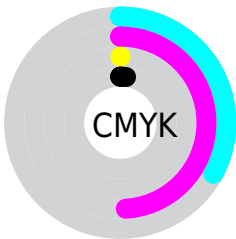
Blue (98%)



Red (65%)

Yellow (50%)

Blue (98%)

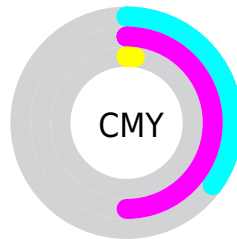


Cyan (33%)

Magenta (49%)

Yellow (0%)

Black (2%)



Cyan (35%)


Magenta (50%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5560, 0.2470, 0.1845 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 30.5560, 0.2470, 0.1845 by changing the saturation by 10% instead.

 30.5560, 0.2470,
0.1845


 30.5560, 0.2470,
0.1845


304.4876, 0.2823,
0.2521


 20.2610, 0.2379,
0.1695


 60.5404, 0.2602,
0.2077

 12.5849, 0.2262,
0.1514


 80.9985, 0.2650,
0.2169

 7.1433, 0.2107,
0.1295


 105.6131, 0.2691,
0.2247

 3.5519, 0.1898,
0.1028

134.7686, 0.2726,
0.2316

 1.4262, 0.1607,
0.0709

168.8495, 0.2755,
0.2377

 0.2359, 0.1216,
0.0225

208.2400, 0.2781,


 0.0000, 0.0346,


0.2430

0.0000


253.3245, 0.2803,
0.2478


 0.0000, 0.0000,
0.0000

 30.5560, 0.2470,
0.1845


 30.5560, 0.2470,
0.1845


 23.0876, 0.2300,
0.1531

 39.8759, 0.2633,
0.2169


 17.3379, 0.2130,
0.1246


 51.1608, 0.2784,
0.2487


 13.1611, 0.1972,
0.1009

 64.5187, 0.2919,
0.2789

 10.3841, 0.1834,
0.0835

 80.0488, 0.3037,
0.3067

 8.7592, 0.1723,
0.0727

 97.8437, 0.3139,
0.3319

■ 8.6025, 0.1711,
0.0716

■ 99.6797, 0.3156,
0.3338

Harmonies

Analogous

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



30.5560, 0.1760, 0.1735



30.5560, 0.2470, 0.1845



30.5560, 0.3530, 0.2217

Triad

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



30.5560, 0.2470, 0.1845



30.5560, 0.5094, 0.4218



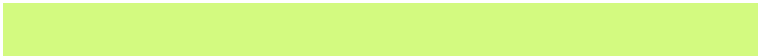
30.5560, 0.1739, 0.3628

Complementary

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



30.5560, 0.2470, 0.1845



83.7493, 0.3570, 0.4606

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.



30.5560, 0.2484, 0.4876



30.5560, 0.2470, 0.1845



30.5560, 0.4409, 0.4957

Square

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



30.5560, 0.2470, 0.1845



30.5560, 0.5237, 0.3478



30.5560, 0.3463, 0.5364



30.5560, 0.1394, 0.2527

Rectangle

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



30.5560, 0.2470, 0.1845



30.5560, 0.4296, 0.2585



30.5560, 0.3463, 0.5364



30.5560, 0.1945, 0.4070

Sweetspot

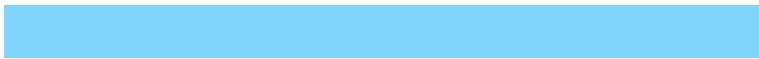
The Sweet Spot groups the original color and five complimentary colors.



30.5571, 0.2470, 0.1845



73.3720, 0.2965, 0.2897



58.2490, 0.2395, 0.2816



14.9946, 0.2939, 0.2837



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.



30.5571, 0.2470, 0.1845



23.9714, 0.2295, 0.1523



38.7698, 0.2984, 0.2035



16.9124, 0.3029, 0.3048



4.6326, 0.1726, 0.0724



0.4834, 0.1852, 0.0794

Inverse Universe

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



40.4589, 0.3555, 0.2442



35.7711, 0.3683, 0.2292



76.4251, 0.3177, 0.4787



17.4246, 0.3187, 0.3130



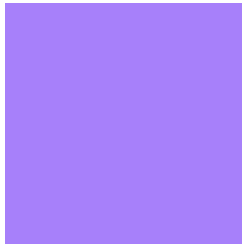
12.3483, 0.4223, 0.2100



1.1630, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 30.5560, 0.2470, 0.1845 looks on a white background.

Color Contrast Check

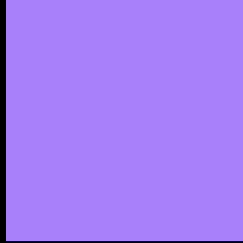
Large Text (above 18pt) WCAG AA × Fail

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 30.5560, 0.2470, 0.1845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

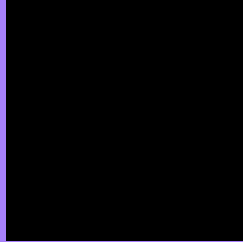
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5560, 0.2470, 0.1845

Background



This preview shows how black text looks on a background with the Yxy color 30.5560, 0.2470, 0.1845.



This preview shows how white text looks on a background with the Yxy color 30.5560, 0.2470, 0.1845.

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

30.5560, 0.2470, 0.1845

Protanopia

30.9710, 0.2080, 0.1890

Deuteranopia

30.9499, 0.2076, 0.2016



Tritanopia

30.4577, 0.3016, 0.3106

Trichromacy



Original Color

30.5560, 0.2470, 0.1845

Protanomaly

30.2836, 0.2192, 0.1859

Deuteranomaly

30.2823, 0.2186, 0.1934

Tritanomaly

29.9679, 0.2801, 0.2554

Monochromacy



Original Color

30.5560, 0.2470, 0.1845

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.2958, 0.2865, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5560, 0.2470, 0.1845 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(167, 128, 250)` looks like.

```
.text, #text, p{  
    color:rgb(167, 128, 250)  
}
```

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(167, 128, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 128, 250) }
```

Border

The CSS property to change the border of an element to Yxy 30.5560, 0.2470, 0.1845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

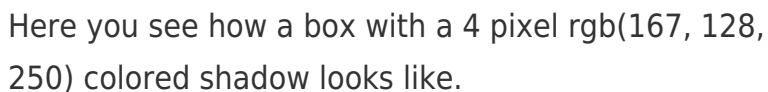
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 128, 250) }
```

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

```
.border{ border-color:rgb(167, 128, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 128, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 128, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 128, 250); box-shadow:4px 4px 4px 4px rgb(167, 128, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5560, 0.2470, 0.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 128, 250) }
```

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

```
.background{ background-color: rgb(167,  
128, 250) }
```

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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