

Converting Colors

$Y_{xy}(30.5516, 0.2658, 0.2013)$

Have a look what the booklet for
Yxy(30.5516, 0.2658, 0.2013)
contains.

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Color

Yxy(30.5516, 0.2658, 0.2013)

Conversions

Conversions Part 1

Format	Color
Hex	B080E9
RGB	176, 128, 233
RGB Percent	69%, 50%, 91%
CMY	0.3096, 0.4981, 0.0862
CMYK	0.24, 0.45, 0.00, 0.09
HSL	267°, 71%, 71%
HSV	267°, 45%, 91%
XYZ	40.3409, 30.5516, 80.8790
YIQ	154.3220, -5.0970, 42.8310

Conversions

Conversions Part 2

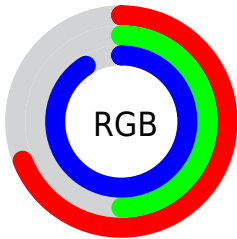
Format	Color
RYB	176, 128, 233
Decimal	11567337
CIELab	62.13, 39.00, -46.43
CIELCh	62, 60.634, 310.031
Yxy	30.5516, 0.2658, 0.2013
Android (android.graphics.Color)	4289757417 (0xFFB080E9)
YUV	154.3220, 38.7883, 19.0116
Hunter-Lab	55.2735, 33.5480, -48.0647

Details

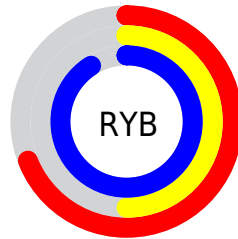
The Yxy color **30.5516, 0.2658, 0.2013** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **70.1590, 0.3436, 0.4545**, and the grayscale version is **32.2929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9995, 0.2992, 0.2537**, and **12.5470, 0.2494, 0.1694** is the 20% darker color. If you saturate the color by 10%, you get **23.7512, 0.2521, 0.1715**, and if you desaturate by 10%, it is **38.8872, 0.2785, 0.2318**.

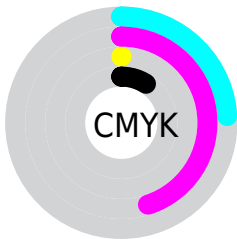
Distribution



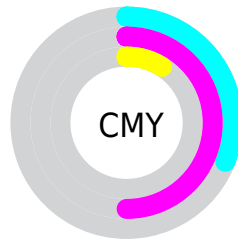
- Red (69%)
- Green (50%)
- Blue (91%)



- Red (69%)
- Yellow (50%)
- Blue (91%)



- Cyan (24%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)





- Cyan (31%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5516, 0.2658, 0.2013 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 30.5516, 0.2658, 0.2013 by changing the saturation by 10% instead.


 30.5516, 0.2658,
0.2013


 30.5516, 0.2658,
0.2013


304.4672, 0.2918,
0.2623


 20.2576, 0.2588,
0.1873


 60.5334, 0.2757,
0.2226

 12.5825, 0.2496,
0.1701


 80.9901, 0.2793,
0.2309

 7.1417, 0.2370,
0.1487


 105.6031, 0.2822,
0.2380

 3.5509, 0.2193,
0.1218

134.7568, 0.2848,
0.2441

 1.4256, 0.1932,
0.0880

168.8357, 0.2869,
0.2495

 0.2355, 0.1559,
0.0300


208.2241, 0.2887,


 0.0000, 0.0395,


0.2543


0.0000

253.3065, 0.2903,
0.2585


 0.0000, 0.0000,
0.0000


 30.5516, 0.2658,
0.2013


 30.5516, 0.2658,
0.2013


 23.7512, 0.2521,
0.1715


 38.8872, 0.2785,
0.2318


 18.3818, 0.2378,
0.1438


 48.8456, 0.2900,
0.2617


 14.3316, 0.2236,
0.1199


 60.5121, 0.3001,
0.2901

 11.4693, 0.2102,
0.1012

 73.9645, 0.3088,
0.3165

 9.6348, 0.1982,
0.0883

 89.2761, 0.3162,
0.3406

 8.9867, 0.1929,
0.0836

 98.0787, 0.3236,
0.3504

 98.6646, 0.3256,
0.3503

Harmonies

Analogous

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



30.5516, 0.1961, 0.1881



30.5516, 0.2658, 0.2013



30.5516, 0.3625, 0.2386

Triad

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



30.5516, 0.2658, 0.2013



30.5516, 0.4846, 0.4263



30.5516, 0.1828, 0.3454

Complementary

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



30.5516, 0.2658, 0.2013



70.1590, 0.3436, 0.4545

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.



30.5516, 0.2472, 0.4535



30.5516, 0.2658, 0.2013



30.5516, 0.4210, 0.4874

Square

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



30.5516, 0.2658, 0.2013



30.5516, 0.5018, 0.3583



30.5516, 0.3346, 0.5093



30.5516, 0.1544, 0.2536

Rectangle

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



30.5516, 0.2658, 0.2013



30.5516, 0.4279, 0.2740



30.5516, 0.3346, 0.5093



30.5516, 0.2005, 0.3826

Sweetspot

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



30.5528, 0.2658, 0.2013



75.8100, 0.3010, 0.2928



45.4866, 0.2414, 0.2671



15.5128, 0.2990, 0.2869



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.



30.5528, 0.2658, 0.2013



29.7523, 0.2532, 0.1738



37.7745, 0.3130, 0.2175



14.8865, 0.3051, 0.3052



5.1699, 0.1945, 0.0845



0.4625, 0.2098, 0.0930

Inverse Universe

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



36.2621, 0.3667, 0.2655



37.8582, 0.3831, 0.2538



64.8549, 0.3091, 0.4690



15.1907, 0.3208, 0.3163



10.7157, 0.4777, 0.2405



0.8608, 0.4500, 0.2253

Previews

White Background



This preview shows how the Yxy color 30.5516, 0.2658, 0.2013 looks on a white background.

Color Contrast Check

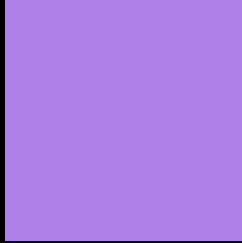
Large Text (above 18pt) WCAG AA × Fail

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 30.5516, 0.2658, 0.2013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

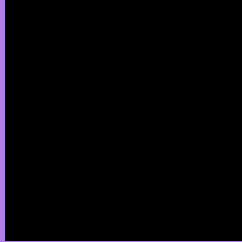
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5516, 0.2658, 0.2013

Background



This preview shows how black text looks on a background with the Yxy color 30.5516, 0.2658, 0.2013.



This preview shows how white text looks on a background with the Yxy color 30.5516, 0.2658, 0.2013.

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

30.5516, 0.2658, 0.2013

Protanopia

30.9577, 0.2124, 0.1941

Deuteranopia

30.9146, 0.2249, 0.2191



Tritanopia

30.3665, 0.3188, 0.3111

Trichromacy



Original Color

30.5516, 0.2658, 0.2013



Protanomaly

30.2744, 0.2279, 0.1950



Deuteranomaly

30.2101, 0.2373, 0.2112



Tritanomaly

30.1835, 0.2975, 0.2647

Monochromacy



Original Color

30.5516, 0.2658, 0.2013



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

31.3511, 0.2945, 0.2750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5516, 0.2658, 0.2013 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(176, 128, 233)` looks like.

```
.text, #text, p{  
    color:rgb(176, 128, 233)  
}
```

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(176, 128, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 128, 233) }
```

Border

The CSS property to change the border of an element to Yxy 30.5516, 0.2658, 0.2013 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(176, 128, 233) }
```

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

```
.border{ border-color:rgb(176, 128, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 128, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(176, 128,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5516, 0.2658, 0.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 128, 233) }
```

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

```
.background{ background-color: rgb(176,  
128, 233) }
```

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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