

Converting Colors

$Y_{xy}(30.2242, 0.2638, 0.1951)$

Have a look what the booklet for
Yxy(30.2242, 0.2638, 0.1951)
contains.

Yxy(30.1288, 0.2635, 0.1948)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1288, 0.2635, 0.1948)

Conversions

Conversions Part 1

Format	Color
Hex	B17DED
RGB	177, 125, 237
RGB Percent	69%, 49%, 93%
CMY	0.3058, 0.5098, 0.0706
CMYK	0.25, 0.47, 0.00, 0.07
HSL	268°, 76%, 71%
HSV	268°, 47%, 93%
XYZ	40.7543, 30.1288, 83.7822
YIQ	153.3160, -4.9600, 45.8560

Conversions

Conversions Part 2

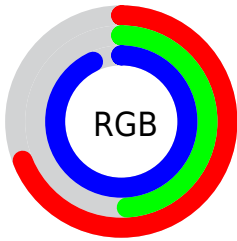
Format	Color
R_{YB}	177, 125, 237
Decimal	11632109
CIE _{Lab}	61.77, 41.84, -49.19
CIE _{LCh}	62, 64.580, 310.382
Yxy	30.1288, 0.2635, 0.1948
Android (android.graphics.Color)	4289822189 (0xFFB17DED)
YUV	153.3160, 41.2562, 20.7709
Hunter-Lab	54.8897, 36.4750, -52.0759

Details

The Yxy color **30.1288, 0.2635, 0.1948** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **72.3540, 0.3441, 0.4613**, and the grayscale version is **31.8198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1224, 0.3007, 0.2510**, and **12.2578, 0.2463, 0.1626** is the 20% darker color. If you saturate the color by 10%, you get **23.4072, 0.2498, 0.1654**, and if you desaturate by 10%, it is **38.4225, 0.2763, 0.2252**.

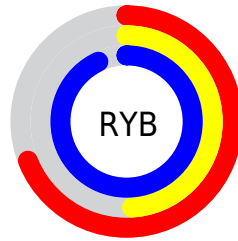
Distribution



Red (69%)

Green (49%)

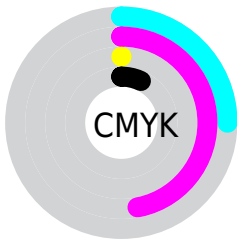
Blue (93%)



Red (69%)

Yellow (49%)

Blue (93%)

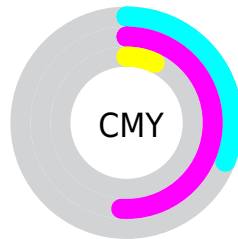


Cyan (25%)

Magenta (47%)

Yellow (0%)

Black (7%)



Cyan (31%)


Magenta (51%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1288, 0.2635, 0.1948 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 30.1288, 0.2635, 0.1948 by changing the saturation by 10% instead.


 30.1288, 0.2635,
0.1948


 30.1288, 0.2635,
0.1948


302.5044, 0.2908,
0.2584


 19.9364, 0.2561,
0.1804


 59.8658, 0.2739,
0.2169

 12.3488, 0.2465,
0.1627


 80.1792, 0.2777,
0.2255

 6.9817, 0.2334,
0.1410


 104.6350, 0.2808,
0.2329

 3.4507, 0.2151,
0.1139

133.6176, 0.2834,
0.2394

 1.3713, 0.1882,
0.0806

167.5115, 0.2857,
0.2450

 0.1954, 0.1507,
0.0233

206.7010, 0.2876,

 0.0000, 0.0444,

0.2500

0.0000

251.5705, 0.2893,
0.2545

0.0000, 0.0000,
0.0000

30.1288, 0.2635,
0.1948

30.1288, 0.2635,
0.1948

23.4072, 0.2498,
0.1654

38.4225, 0.2763,
0.2252

18.1470, 0.2356,
0.1385

48.3818, 0.2880,
0.2553

14.2282, 0.2217,
0.1158

60.0965, 0.2982,
0.2840

11.5088, 0.2086,
0.0984

73.6493, 0.3071,
0.3109

9.8045, 0.1970,
0.0869

89.1170, 0.3147,
0.3355

■ 9.4356, 0.1941,
0.0843

■ 98.5468, 0.3220,
0.3464

■ 98.8940, 0.3232,
0.3464

Harmonies

Analogous

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



30.1288, 0.1901, 0.1806



30.1288, 0.2635, 0.1948



30.1288, 0.3667, 0.2339

Triad

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



30.1288, 0.2635, 0.1948



30.1288, 0.4935, 0.4302



30.1288, 0.1743, 0.3444

Complementary

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



30.1288, 0.2635, 0.1948



72.3540, 0.3441, 0.4613

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.



30.1288, 0.2410, 0.4624



30.1288, 0.2635, 0.1948



30.1288, 0.4246, 0.4966

Square

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



30.1288, 0.2635, 0.1948



30.1288, 0.5141, 0.3587



30.1288, 0.3330, 0.5226



30.1288, 0.1458, 0.2469

Rectangle

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



30.1288, 0.2635, 0.1948



30.1288, 0.4369, 0.2709



30.1288, 0.3330, 0.5226



30.1288, 0.1924, 0.3847

Sweetspot

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



30.1300, 0.2635, 0.1948



75.8530, 0.3012, 0.2929



45.8419, 0.2380, 0.2634



15.5232, 0.2992, 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.



30.1300, 0.2635, 0.1948



27.6644, 0.2498, 0.1655



37.8341, 0.3129, 0.2125



14.8919, 0.3053, 0.3052



5.2283, 0.1958, 0.0852



0.4673, 0.2111, 0.0936

Inverse Universe

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



36.1701, 0.3714, 0.2633



35.9446, 0.3901, 0.2513



66.8377, 0.3088, 0.4769



15.1889, 0.3209, 0.3165



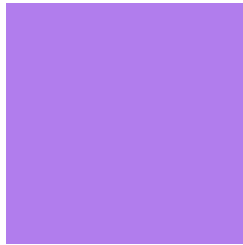
10.6917, 0.4807, 0.2422



0.8590, 0.4524, 0.2266

Previews

White Background



This preview shows how the Yxy color 30.1288, 0.2635, 0.1948 looks on a white background.

Color Contrast Check

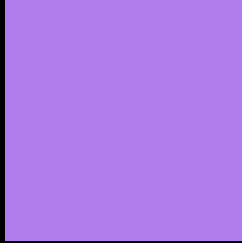
Large Text (above 18pt) WCAG AA × Fail

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 30.1288, 0.2635, 0.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

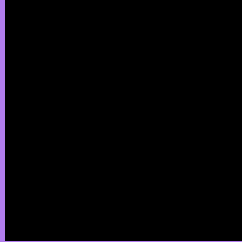
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1288, 0.2635, 0.1948

Background



This preview shows how black text looks on a background with the Yxy color 30.1288, 0.2635, 0.1948.

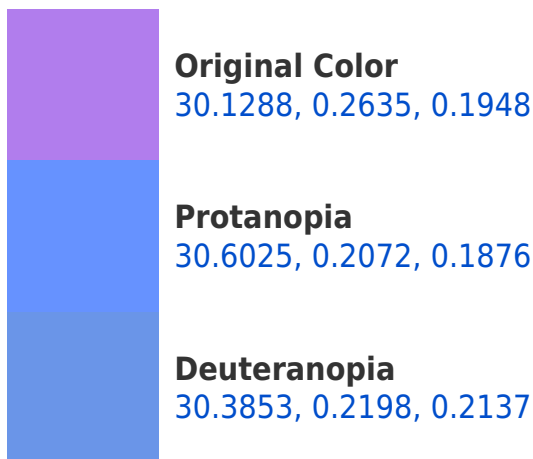


This preview shows how white text looks on a background with the Yxy color 30.1288, 0.2635, 0.1948.

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

29.9945, 0.3209, 0.3126

Trichromacy



Original Color

30.1288, 0.2635, 0.1948



Protanomaly

29.6214, 0.2229, 0.1882



Deuteranomaly

29.6022, 0.2325, 0.2040



Tritanomaly

29.6096, 0.2975, 0.2618

Monochromacy



Original Color

30.1288, 0.2635, 0.1948



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.7870, 0.2936, 0.2708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1288, 0.2635, 0.1948 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(177, 125, 237)` looks like.

```
.text, #text, p{  
    color:rgb(177, 125, 237)  
}
```

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(177, 125, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 125, 237) }
```

Border

The CSS property to change the border of an element to Yxy 30.1288, 0.2635, 0.1948 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(177, 125, 237) }
```

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

```
.border{ border-color:rgb(177, 125, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 125, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 125, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 125, 237);  
box-shadow:4px 4px 4px 4px rgb(177, 125,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1288, 0.2635, 0.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 125, 237) }
```

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

```
.background{ background-color: rgb(177,  
125, 237) }
```

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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