

Converting Colors

$Y_{xy}(30.6822, 0.2528, 0.1778)$

Have a look what the booklet for
Yxy(30.6822, 0.2528, 0.1778)
contains.

Yxy(30.7228, 0.2527, 0.1780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7228, 0.2527, 0.1780)

Conversions

Conversions Part 1

Format	Color
Hex	B37AFF
RGB	179, 122, 255
RGB Percent	70%, 48%, 100%
CMY	0.2977, 0.5217, 0.0000
CMYK	0.30, 0.52, 0.00, 0.00
HSL	266°, 100%, 74%
HSV	266°, 52%, 100%
XYZ	43.6160, 30.7228, 98.2612
YIQ	154.2050, -8.7210, 53.4470

Conversions

Conversions Part 2

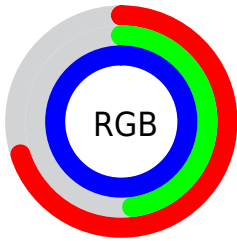
Format	Color
R_{YB}	179, 122, 255
Decimal	11762431
CIE _{Lab}	62.27, 48.28, -58.32
CIE _{LCh}	62, 75.709, 309.619
Yxy	30.7228, 0.2527, 0.1780
Android (android.graphics.Color)	4289952511 (0xFFB37AFF)
YUV	154.2050, 49.6919, 21.7452
Hunter-Lab	55.4282, 43.4611, -66.3076

Details

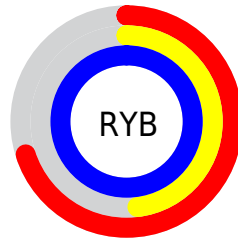
The Yxy color **30.7228, 0.2527, 0.1780** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.9140, 0.3494, 0.4745**, and the grayscale version is **32.1897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4478, 0.3030, 0.2485**, and **12.6753, 0.2334, 0.1453** is the 20% darker color. If you saturate the color by 10%, you get **23.6185, 0.2378, 0.1490**, and if you desaturate by 10%, it is **39.6512, 0.2670, 0.2087**.

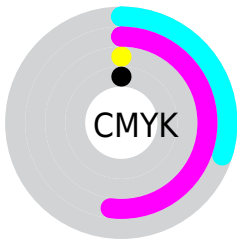
Distribution



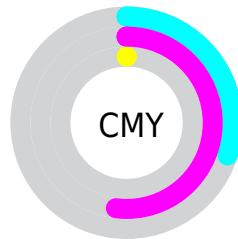
- Red (70%)
- Green (48%)
- Blue (100%)



- Red (70%)
- Yellow (48%)
- Blue (100%)



- Cyan (30%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7228, 0.2527, 0.1780 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 30.7228, 0.2527, 0.1780 by changing the saturation by 10% instead.


 30.7228, 0.2527,
0.1780


 30.7228, 0.2527,
0.1780


305.2592, 0.2855,
0.2476


 20.3879, 0.2441,
0.1629


 60.8034, 0.2650,
0.2017

 12.6773, 0.2331,
0.1447


 81.3178, 0.2695,
0.2110

 7.2067, 0.2185,
0.1229


 105.9942, 0.2733,
0.2192

 3.5917, 0.1987,
0.0968

135.2169, 0.2765,
0.2263

 1.4479, 0.1710,
0.0661

169.3704, 0.2792,
0.2326

 0.2516, 0.1335,
0.0216


208.8390, 0.2816,

 0.0000, 0.0656,

0.2381


0.0000


254.0072, 0.2837,
0.2431


 0.0000, 0.0000,
0.0000


 30.7228, 0.2527,
0.1780


 30.7228, 0.2527,
0.1780


 23.6185, 0.2378,
0.1490

 39.6512, 0.2670,
0.2087


 18.2029, 0.2229,
0.1234


 50.5281, 0.2801,
0.2397


 14.3179, 0.2088,
0.1028

 63.4646, 0.2918,
0.2696

 11.7744, 0.1961,
0.0882

 78.5637, 0.3021,
0.2978

 10.5016, 0.1874,
0.0806

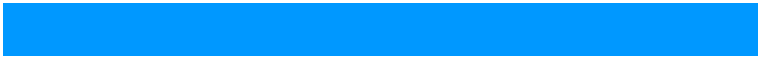
 95.9215, 0.3110,
0.3237

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



30.7228, 0.1729, 0.1628



30.7228, 0.2527, 0.1780



30.7228, 0.3708, 0.2200

Triad

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



30.7228, 0.2527, 0.1780



30.7228, 0.5163, 0.4334



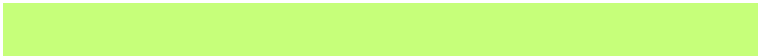
30.7228, 0.1562, 0.3480

Complementary

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



30.7228, 0.2527, 0.1780



84.9140, 0.3494, 0.4745

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.



30.7228, 0.2300, 0.4914



30.7228, 0.2527, 0.1780



30.7228, 0.4358, 0.5142

Square

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



30.7228, 0.2527, 0.1780



30.7228, 0.5434, 0.3544



30.7228, 0.3327, 0.5564



30.7228, 0.1262, 0.2346

Rectangle

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



30.7228, 0.2527, 0.1780



30.7228, 0.4537, 0.2600



30.7228, 0.3327, 0.5564



30.7228, 0.1760, 0.3968

Sweetspot

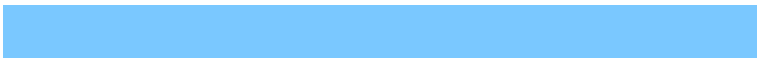
The Sweet Spot groups the original color and five complimentary colors.



30.7222, 0.2527, 0.1780



72.5228, 0.2984, 0.2872



52.4628, 0.2315, 0.2605



14.8563, 0.2962, 0.2814



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.



30.7222, 0.2527, 0.1780



23.1083, 0.2366, 0.1467



40.3469, 0.3087, 0.2000



17.7590, 0.3046, 0.3049



5.5713, 0.1891, 0.0815



0.6054, 0.2017, 0.0885

Inverse Universe

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



39.2411, 0.3755, 0.2524



32.8742, 0.3952, 0.2400



77.9145, 0.3104, 0.4940



18.1608, 0.3204, 0.3155



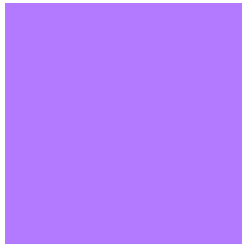
12.2160, 0.4666, 0.2344



1.2113, 0.4453, 0.2227

Previews

White Background



This preview shows how the Yxy color 30.7228, 0.2527, 0.1780 looks on a white background.

Color Contrast Check

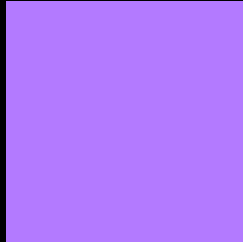
Large Text (above 18pt) WCAG AA × Fail

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 30.7228, 0.2527, 0.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

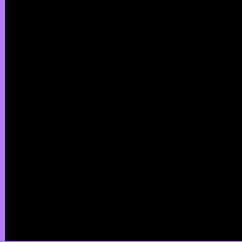
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7228, 0.2527, 0.1780

Background



This preview shows how black text looks on a background with the Yxy color 30.7228, 0.2527, 0.1780.



This preview shows how white text looks on a background with the Yxy color 30.7228, 0.2527, 0.1780.

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

30.7228, 0.2527, 0.1780

Protanopia

31.0305, 0.2085, 0.1892

Deuteranopia

30.9990, 0.2044, 0.1974



Tritanopia

30.6035, 0.3167, 0.3111

Trichromacy



Original Color

30.7228, 0.2527, 0.1780



Protanomaly

30.2223, 0.2209, 0.1829



Deuteranomaly

29.7143, 0.2166, 0.1864



Tritanomaly

30.0664, 0.2912, 0.2522

Monochromacy



Original Color

30.7228, 0.2527, 0.1780



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.8941, 0.2884, 0.2607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7228, 0.2527, 0.1780 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(179, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 122, 255)  
}
```

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(179, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.7228, 0.2527, 0.1780 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(179, 122, 255) }
```

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

```
.border{ border-color:rgb(179, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7228, 0.2527, 0.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 122, 255) }
```

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

```
.background{ background-color: rgb(179,  
122, 255) }
```

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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