

Converting Colors

$Y_{xy}(30.7179, 0.2280, 0.1801)$

Have a look what the booklet for
Yxy(30.7179, 0.2280, 0.1801)
contains.

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Color

Yxy(30.5677, 0.2293, 0.1826)

Conversions

Conversions Part 1

Format	Color
Hex	9187FF
RGB	145, 135, 255
RGB Percent	57%, 53%, 100%
CMY	0.4314, 0.4705, 0.0002
CMYK	0.43, 0.47, 0.00, 0.00
HSL	245°, 100%, 76%
HSV	245°, 47%, 100%
XYZ	38.3854, 30.5677, 98.4494
YIQ	151.6700, -32.5600, 39.4400

Conversions

Conversions Part 2

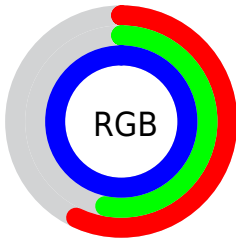
Format	Color
RYB	145, 135, 255
Decimal	9537535
CIELab	62.14, 32.77, -58.67
CIELCh	62, 67.201, 299.184
Yxy	30.5677, 0.2293, 0.1826
Android (android.graphics.Color)	4287727615 (0xFF9187FF)
YUV	151.6700, 50.9417, -5.8496
Hunter-Lab	55.2881, 27.1749, -66.8739

Details

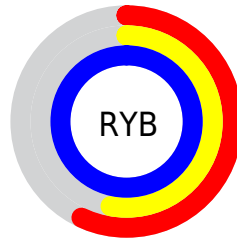
The Yxy color **30.5677, 0.2293, 0.1826** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.6501, 0.3755, 0.4473**, and the grayscale version is **31.0386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8829, 0.2773, 0.2555**, and **12.6005, 0.2046, 0.1484** is the 20% darker color. If you saturate the color by 10%, you get **22.3758, 0.2087, 0.1480**, and if you desaturate by 10%, it is **40.9016, 0.2499, 0.2178**.

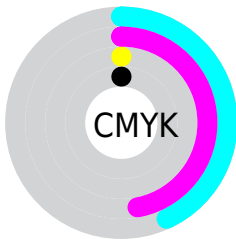
Distribution



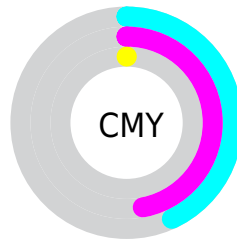
- Red (57%)
- Green (53%)
- Blue (100%)



- Red (57%)
- Yellow (53%)
- Blue (100%)



- Cyan (43%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5677, 0.2293, 0.1826 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 30.5677, 0.2293, 0.1826 by changing the saturation by 10% instead.


 30.5677, 0.2293,
0.1826


 30.5677, 0.2293,
0.1826


304.5417, 0.2728,
0.2514

 20.2699, 0.2185,
0.1673


 60.5588, 0.2452,
0.2063

 12.5914, 0.2047,
0.1490


 81.0209, 0.2512,
0.2155

 7.1478, 0.1870,
0.1267


 105.6399, 0.2562,
0.2236

 3.5547, 0.1637,
0.0998

134.8001, 0.2605,
0.2306

 1.4277, 0.1326,
0.0681

168.8860, 0.2642,
0.2367

 0.2370, 0.0929,
0.0212

208.2820, 0.2675,

 0.0000, 0.0000,

0.2422

0.0000

253.3725, 0.2703,
0.2470

■ 30.5677, 0.2293,
0.1826

■ 30.5677, 0.2293,
0.1826

■ 22.3758, 0.2087,
0.1480

■ 40.9016, 0.2499,
0.2178

■ 16.1723, 0.1894,
0.1165

■ 53.5104, 0.2693,
0.2516

■ 11.7879, 0.1730,
0.0907

■ 68.5199, 0.2871,
0.2829

■ 9.0239, 0.1608,
0.0726

■ 86.0458, 0.3028,
0.3111

■ 7.6298, 0.1534,
0.0629

■ 99.9973, 0.3127,
0.3290

■ 7.3794, 0.1520,
0.0611

Harmonies

Analogous

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



30.5677, 0.1680, 0.1783



30.5677, 0.2293, 0.1826



30.5677, 0.3262, 0.2136

Triad

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



30.5677, 0.2293, 0.1826



30.5677, 0.5140, 0.4039



30.5677, 0.1909, 0.3916

Complementary

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



30.5677, 0.2293, 0.1826



92.6501, 0.3755, 0.4473

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.



30.5677, 0.2718, 0.5025



30.5677, 0.2293, 0.1826



30.5677, 0.4574, 0.4772

Square

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



30.5677, 0.2293, 0.1826



30.5677, 0.5111, 0.3322



30.5677, 0.3689, 0.5277



30.5677, 0.1476, 0.2757

Rectangle

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



30.5677, 0.2293, 0.1826



30.5677, 0.4015, 0.2469



30.5677, 0.3689, 0.5277



30.5677, 0.2143, 0.4339

Sweetspot

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



30.5688, 0.2293, 0.1826



73.6125, 0.2921, 0.2919



78.8678, 0.2484, 0.3197



14.9824, 0.2886, 0.2856



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.



30.5688, 0.2293, 0.1826



23.1446, 0.2108, 0.1516



37.2427, 0.2736, 0.1985



17.4500, 0.2991, 0.3045



3.8821, 0.1526, 0.0614



0.4016, 0.1582, 0.0645

Inverse Universe

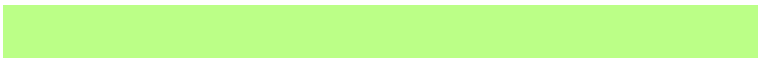
The Inverse Universe completely reimagines the original color for something new.



45.1742, 0.3267, 0.2224



39.3700, 0.3298, 0.2053



83.8068, 0.3361, 0.4648



18.2727, 0.3151, 0.3075



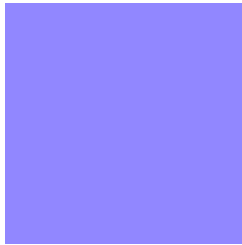
14.2166, 0.3431, 0.1664



1.3916, 0.3403, 0.1648

Previews

White Background



This preview shows how the Yxy color 30.5677, 0.2293, 0.1826 looks on a white background.

Color Contrast Check

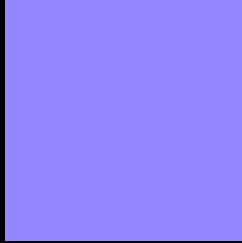
Large Text (above 18pt) WCAG AA × Fail

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 30.5677, 0.2293, 0.1826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

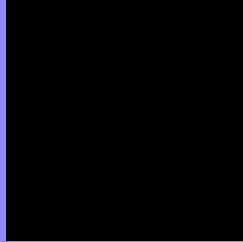
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5677, 0.2293, 0.1826

Background



This preview shows how black text looks on a background with the Yxy color 30.5677, 0.2293, 0.1826.



This preview shows how white text looks on a background with the Yxy color 30.5677, 0.2293, 0.1826.

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

30.5677, 0.2293, 0.1826

Protanopia

30.6613, 0.2077, 0.1877

Deuteranopia

30.8037, 0.2010, 0.1948



Tritanopia

30.4808, 0.2724, 0.3081

Trichromacy



Original Color

30.5677, 0.2293, 0.1826

Protanomaly

30.4176, 0.2143, 0.1852

Deuteranomaly

30.2221, 0.2090, 0.1891

Tritanomaly

30.1752, 0.2544, 0.2527

Monochromacy



Original Color

30.5677, 0.2293, 0.1826

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.6215, 0.2774, 0.2666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5677, 0.2293, 0.1826 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(145, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 135, 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(145, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.5677, 0.2293, 0.1826 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(145, 135, 255) }
```

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

```
.border{ border-color:rgb(145, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5677, 0.2293, 0.1826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 135, 255) }
```

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

```
.background{ background-color: rgb(145,  
135, 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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