

Converting Colors

$Y_{xy}(30.2669, 0.2326, 0.1897)$

Have a look what the booklet for
Yxy(30.2669, 0.2326, 0.1897)
contains.

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Color

Yxy(30.2530, 0.2330, 0.1900)

Conversions

Conversions Part 1

Format	Color
Hex	9088F7
RGB	144, 136, 247
RGB Percent	56%, 53%, 97%
CMY	0.4351, 0.4667, 0.0314
CMYK	0.42, 0.45, 0.00, 0.03
HSL	244°, 87%, 75%
HSV	244°, 45%, 97%
XYZ	37.0997, 30.2530, 91.8736
YIQ	151.0460, -30.8630, 36.2170

Conversions

Conversions Part 2

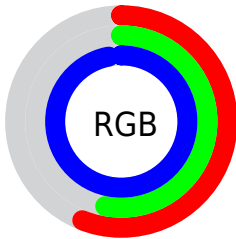
Format	Color
RYB	144, 136, 247
Decimal	9472247
CIELab	61.87, 29.76, -54.73
CIELCh	62, 62.295, 298.533
Yxy	30.2530, 0.2330, 0.1900
Android (android.graphics.Color)	4287662327 (0xFF9088F7)
YUV	151.0460, 47.3053, -6.1793
Hunter-Lab	55.0027, 24.1447, -60.5329

Details

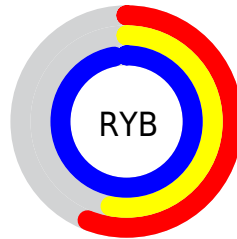
The Yxy color **30.2530, 0.2330, 0.1900** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.6326, 0.3737, 0.4419**, and the grayscale version is **30.7754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1717, 0.2767, 0.2565**, and **12.3995, 0.2090, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **22.2227, 0.2122, 0.1551**, and if you desaturate by 10%, it is **40.3065, 0.2535, 0.2251**.

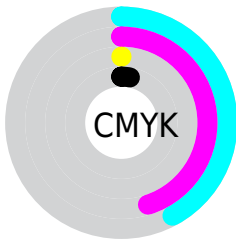
Distribution



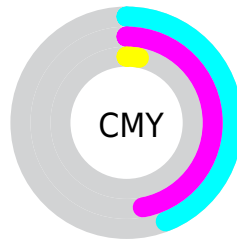
- Red (56%)
- Green (53%)
- Blue (97%)



- Red (56%)
- Yellow (53%)
- Blue (97%)



- Cyan (42%)
- Magenta (45%)
- Yellow (0%)
- Black (3%)





- Cyan (44%)
- Magenta (47%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2530, 0.2330, 0.1900 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 30.2530, 0.2330, 0.1900 by changing the saturation by 10% instead.


 30.2530, 0.2330,
0.1900


 30.2530, 0.2330,
0.1900


303.0820, 0.2748,
0.2562


 20.0307, 0.2225,
0.1750


 60.0621, 0.2484,
0.2130

 12.4174, 0.2090,
0.1568


 80.4176, 0.2541,
0.2220

 7.0286, 0.1916,
0.1346

 104.9197, 0.2589,
0.2297

 3.4800, 0.1683,
0.1071

133.9527, 0.2631,
0.2364

 1.3872, 0.1367,
0.0741

167.9010, 0.2666,
0.2423

 0.2072, 0.0959,
0.0215

207.1491, 0.2697,

 0.0000, 0.0000,

0.2475

0.0000

252.0813, 0.2724,
0.2521

■ 30.2530, 0.2330,
0.1900

■ 30.2530, 0.2330,
0.1900

■ 22.2227, 0.2122,
0.1551

■ 40.3065, 0.2535,
0.2251

■ 16.0754, 0.1925,
0.1227

■ 52.5044, 0.2728,
0.2585

■ 11.6579, 0.1754,
0.0954

■ 66.9620, 0.2903,
0.2892

■ 8.7917, 0.1623,
0.0755

■ 83.7856, 0.3058,
0.3166

■ 7.2590, 0.1542,
0.0641

■ 99.4950, 0.3173,
0.3367

■ 6.8431, 0.1517,
0.0609

Harmonies

Analogous

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



30.2530, 0.1751, 0.1868



30.2530, 0.2330, 0.1900



30.2530, 0.3236, 0.2191

Triad

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



30.2530, 0.2330, 0.1900



30.2530, 0.5028, 0.4009



30.2530, 0.2003, 0.3900

Complementary

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



30.2530, 0.2330, 0.1900



86.6326, 0.3737, 0.4419

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.



30.2530, 0.2778, 0.4901



30.2530, 0.2330, 0.1900



30.2530, 0.4522, 0.4691

Square

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



30.2530, 0.2330, 0.1900



30.2530, 0.4970, 0.3324



30.2530, 0.3697, 0.5139



30.2530, 0.1573, 0.2823

Rectangle

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



30.2530, 0.2330, 0.1900



30.2530, 0.3935, 0.2508



30.2530, 0.3697, 0.5139



30.2530, 0.2229, 0.4283

Sweetspot

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



30.2541, 0.2330, 0.1900



75.2716, 0.2935, 0.2947



74.0289, 0.2507, 0.3202



15.3064, 0.2898, 0.2883



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.



30.2541, 0.2330, 0.1900



24.5481, 0.2139, 0.1580



36.4471, 0.2759, 0.2048



15.9842, 0.2990, 0.3046



3.6412, 0.1523, 0.0612



0.3396, 0.1577, 0.0643

Inverse Universe

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



43.6055, 0.3249, 0.2259



40.6448, 0.3278, 0.2078



78.4961, 0.3354, 0.4580



16.7463, 0.3149, 0.3073



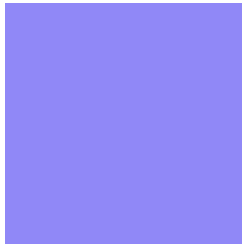
13.4605, 0.3401, 0.1647



1.1892, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 30.2530, 0.2330, 0.1900 looks on a white background.

Color Contrast Check

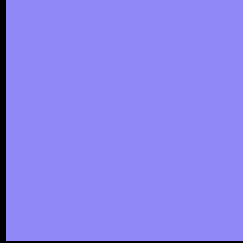
Large Text (above 18pt) WCAG AA × Fail

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 30.2530, 0.2330, 0.1900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

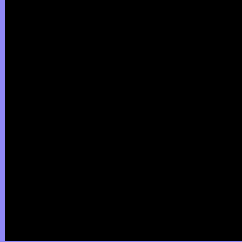
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2530, 0.2330, 0.1900

Background



This preview shows how black text looks on a background with the Yxy color 30.2530, 0.2330, 0.1900.

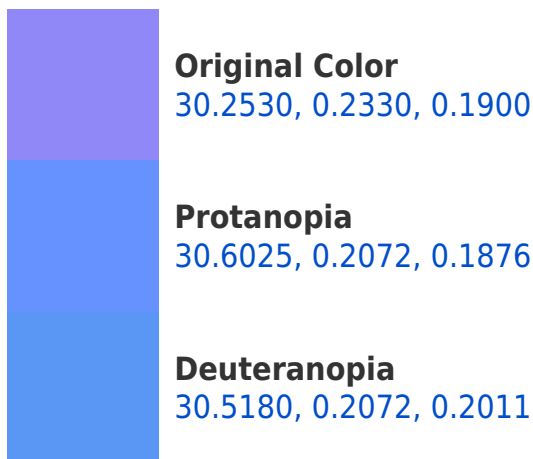


This preview shows how white text looks on a background with the Yxy color 30.2530, 0.2330, 0.1900.

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

30.1495, 0.2747, 0.3096

Trichromacy



Original Color

30.2530, 0.2330, 0.1900

Protanomaly

30.1562, 0.2150, 0.1875

Deuteranomaly

30.1584, 0.2150, 0.1963

Tritanomaly

29.6329, 0.2576, 0.2575

Monochromacy



Original Color

30.2530, 0.2330, 0.1900

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.3988, 0.2789, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2530, 0.2330, 0.1900 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(144, 136, 247)` looks like.

```
.text, #text, p{  
    color:rgb(144, 136, 247)  
}
```

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(144, 136, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 136, 247) }
```

Border

The CSS property to change the border of an element to Yxy 30.2530, 0.2330, 0.1900 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(144, 136, 247) }
```

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

```
.border{ border-color:rgb(144, 136, 247) }
```

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

Here you see how a box with a 4 pixel rgb(144, 136, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 136, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 136, 247);  
box-shadow:4px 4px 4px 4px rgb(144, 136,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2530, 0.2330, 0.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 136, 247) }
```

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

```
.background{ background-color: rgb(144,  
136, 247) }
```

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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