

Converting Colors

$Y_{xy}(30.3534, 0.2368, 0.1800)$

Have a look what the booklet for
Yxy(30.3534, 0.2368, 0.1800)
contains.

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Color

Yxy(30.3534, 0.2368, 0.1800)

Conversions

Conversions Part 1

Format	Color
Hex	9D82FF
RGB	157, 130, 255
RGB Percent	62%, 51%, 100%
CMY	0.3844, 0.4901, 0.0001
CMYK	0.38, 0.49, 0.00, 0.00
HSL	253°, 100%, 75%
HSV	253°, 49%, 100%
XYZ	39.9316, 30.3534, 98.3450
YIQ	152.3230, -24.0330, 44.5990

Conversions

Conversions Part 2

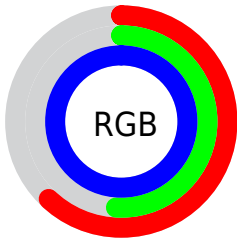
Format	Color
R _Y B	157, 130, 255
Decimal	10322687
CIE Lab	61.96, 38.45, -58.92
CIE LCh	62, 70.357, 303.132
Yxy	30.3534, 0.2368, 0.1800
Android (android.graphics.Color)	4288512767 (0xFF9D82FF)
YUV	152.3230, 50.6198, 4.1017
Hunter-Lab	55.0939, 32.9609, -67.2695

Details

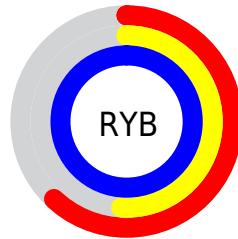
The Yxy color **30.3534, 0.2368, 0.1800** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **89.6160, 0.3662, 0.4571**, and the grayscale version is **31.3316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5340, 0.2857, 0.2518**, and **12.4779, 0.2143, 0.1469** is the 20% darker color. If you saturate the color by 10%, you get **22.5411, 0.2179, 0.1472**, and if you desaturate by 10%, it is **40.1773, 0.2552, 0.2137**.

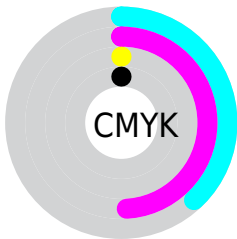
Distribution



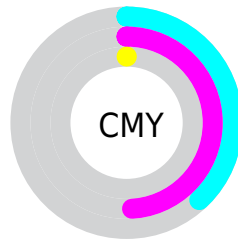
- Red (62%)
- Green (51%)
- Blue (100%)



- Red (62%)
- Yellow (51%)
- Blue (100%)



- Cyan (38%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3534, 0.2368, 0.1800 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 30.3534, 0.2368, 0.1800 by changing the saturation by 10% instead.


 30.3534, 0.2368,
0.1800


 30.3534, 0.2368,
0.1800


303.5483, 0.2770,
0.2495

 20.1070, 0.2266,
0.1647


 60.2206, 0.2516,
0.2038

 12.4728, 0.2137,
0.1463


 80.6102, 0.2571,
0.2132

 7.0666, 0.1969,
0.1242


 105.1496, 0.2618,
0.2213

 3.5038, 0.1745,
0.0974

134.2233, 0.2657,
0.2284

 1.4000, 0.1442,
0.0661

168.2156, 0.2691,
0.2346

 0.2168, 0.1048,
0.0192

207.5109, 0.2721,


 0.0000, 0.0174,


0.2402


0.0000

252.4937, 0.2747,
0.2451


 0.0000, 0.0000,
0.0000


 30.3534, 0.2368,
0.1800


 30.3534, 0.2368,
0.1800

 22.5411, 0.2179,
0.1472


 40.1773, 0.2552,
0.2137


 16.5948, 0.1997,
0.1176


 52.1380, 0.2725,
0.2467

 12.3539, 0.1834,
0.0934

 66.3542, 0.2881,
0.2777

 9.6282, 0.1702,
0.0761

 82.9348, 0.3019,
0.3060

 8.1436, 0.1606,
0.0662

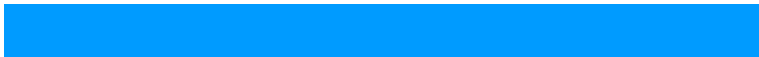
99.9988, 0.3127,
0.3290

■ 8.0317, 0.1599,
0.0654

Harmonies

Analogous

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



30.3534, 0.1688, 0.1716



30.3534, 0.2368, 0.1800



30.3534, 0.3418, 0.2152

Triad

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



30.3534, 0.2368, 0.1800



30.3534, 0.5169, 0.4147



30.3534, 0.1771, 0.3766

Complementary

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



30.3534, 0.2368, 0.1800



89.6160, 0.3662, 0.4571

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.



30.3534, 0.2561, 0.5011



30.3534, 0.2368, 0.1800



30.3534, 0.4509, 0.4910

Square

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



30.3534, 0.2368, 0.1800



30.3534, 0.5250, 0.3402



30.3534, 0.3562, 0.5397



30.3534, 0.1385, 0.2598

Rectangle

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



30.3534, 0.2368, 0.1800



30.3534, 0.4207, 0.2512



30.3534, 0.3562, 0.5397



30.3534, 0.1994, 0.4221

Sweetspot

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



30.3545, 0.2368, 0.1800



72.7252, 0.2938, 0.2894



68.5525, 0.2426, 0.2994



14.8403, 0.2909, 0.2833



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.



30.3545, 0.2368, 0.1800



22.5515, 0.2180, 0.1473



38.0152, 0.2856, 0.1982



17.5666, 0.3012, 0.3047



4.2496, 0.1610, 0.0661



0.4588, 0.1712, 0.0717

Inverse Universe

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



42.8279, 0.3429, 0.2323



36.5743, 0.3511, 0.2158



81.3904, 0.3263, 0.4757



18.2293, 0.3171, 0.3106



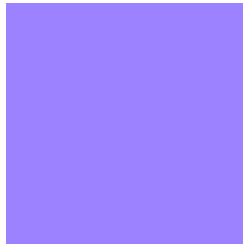
13.3101, 0.3845, 0.1892



1.3119, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 30.3534, 0.2368, 0.1800 looks on a white background.

Color Contrast Check

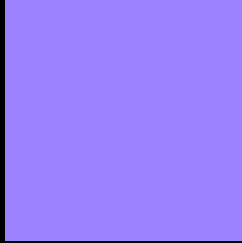
Large Text (above 18pt) WCAG AA × Fail

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 30.3534, 0.2368, 0.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

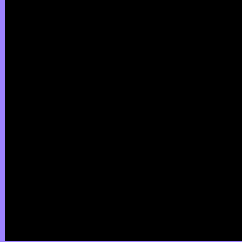
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3534, 0.2368, 0.1800

Background



This preview shows how black text looks on a background with the Yxy color 30.3534, 0.2368, 0.1800.



This preview shows how white text looks on a background with the Yxy color 30.3534, 0.2368, 0.1800.

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

30.3534, 0.2368, 0.1800

Protanopia

30.6025, 0.2072, 0.1876

Deuteranopia

30.7847, 0.2017, 0.1958



Tritanopia

30.3710, 0.2867, 0.3100

Trichromacy



Original Color

30.3534, 0.2368, 0.1800

Protanomaly

30.1137, 0.2160, 0.1835

Deuteranomaly

29.9244, 0.2110, 0.1874

Tritanomaly

29.9070, 0.2665, 0.2526

Monochromacy



Original Color

30.3534, 0.2368, 0.1800

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4907, 0.2818, 0.2645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3534, 0.2368, 0.1800 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(157, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 130, 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(157, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.3534, 0.2368, 0.1800 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(157, 130, 255) }
```

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

```
.border{ border-color:rgb(157, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3534, 0.2368, 0.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 130, 255) }
```

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

```
.background{ background-color: rgb(157,  
130, 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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