

Converting Colors

$Y_{xy}(29.0270, 0.2314, 0.1754)$

Have a look what the booklet for
Yxy(29.0270, 0.2314, 0.1754)
contains.

Yxy(29.1424, 0.2314, 0.1759)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.1424, 0.2314, 0.1759)

Conversions

Conversions Part 1

Format	Color
Hex	9680FF
RGB	150, 128, 255
RGB Percent	59%, 50%, 100%
CMY	0.4119, 0.4979, 0.0001
CMYK	0.41, 0.50, 0.00, 0.00
HSL	250°, 100%, 75%
HSV	250°, 50%, 100%
XYZ	38.3374, 29.1424, 98.1961
YIQ	149.0560, -27.6550, 44.1610

Conversions

Conversions Part 2

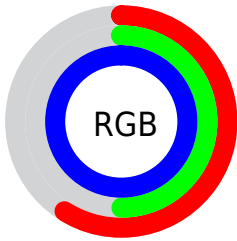
Format	Color
R_{YB}	150, 128, 255
Decimal	9863423
CIE _{Lab}	60.91, 37.93, -60.63
CIE _{LCh}	61, 71.520, 302.032
Yxy	29.1424, 0.2314, 0.1759
Android (android.graphics.Color)	4288053503 (0xFF9680FF)
YUV	149.0560, 52.2304, 0.8279
Hunter-Lab	53.9837, 32.2932, -70.0597

Details

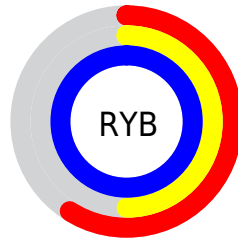
The Yxy color **29.1424, 0.2314, 0.1759** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **90.4002, 0.3706, 0.4573**, and the grayscale version is **29.8640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6776, 0.2804, 0.2485**, and **11.7553, 0.2070, 0.1414** is the 20% darker color. If you saturate the color by 10%, you get **21.4817, 0.2120, 0.1428**, and if you desaturate by 10%, it is **38.8363, 0.2507, 0.2101**.

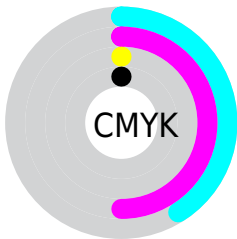
Distribution



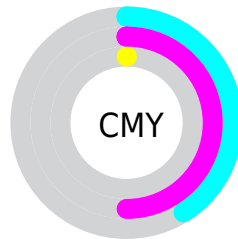
- Red (59%)
- Green (50%)
- Blue (100%)



- Red (59%)
- Yellow (50%)
- Blue (100%)



- Cyan (41%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1424, 0.2314, 0.1759 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 29.1424, 0.2314, 0.1759 by changing the saturation by 10% instead.

 29.1424, 0.2314,
0.1759


 29.1424, 0.2314,
0.1759


297.8862, 0.2744,
0.2475

 19.1886, 0.2206,
0.1602

 58.3033, 0.2472,
0.2004

 11.8066, 0.2068,
0.1413


 78.2791, 0.2531,
0.2101

 6.6121, 0.1890,
0.1187


 102.3643, 0.2581,
0.2184

 3.2207, 0.1654,
0.0916

130.9434, 0.2623,
0.2257

 1.2480, 0.1339,
0.0603

164.4008, 0.2660,
0.2321

 0.1004, 0.0942,
0.0091

203.1208, 0.2692,

 0.0000, 0.0000,

0.2378

0.0000

247.4878, 0.2719,
0.2429

■ 29.1424, 0.2314,
0.1759

■ 29.1424, 0.2314,
0.1759

■ 21.4817, 0.2120,
0.1428

■ 38.8363, 0.2507,
0.2101

■ 15.7041, 0.1935,
0.1132

■ 50.6927, 0.2689,
0.2436

■ 11.6436, 0.1775,
0.0893

■ 64.8336, 0.2855,
0.2751

■ 9.1027, 0.1651,
0.0728

■ 81.3708, 0.3002,
0.3038

■ 7.7767, 0.1567,
0.0638

99.9988, 0.3127,
0.3290

■ 7.7552, 0.1566,
0.0636

Harmonies

Analogous

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



29.1424, 0.1637, 0.1683



29.1424, 0.2314, 0.1759



29.1424, 0.3380, 0.2107

Triad

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



29.1424, 0.2314, 0.1759



29.1424, 0.5233, 0.4123



29.1424, 0.1757, 0.3830

Complementary

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



29.1424, 0.2314, 0.1759



90.4002, 0.3706, 0.4573

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.



29.1424, 0.2574, 0.5107



29.1424, 0.2314, 0.1759



29.1424, 0.4563, 0.4913

Square

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



29.1424, 0.2314, 0.1759



29.1424, 0.5298, 0.3368



29.1424, 0.3599, 0.5452



29.1424, 0.1352, 0.2608

Rectangle

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



29.1424, 0.2314, 0.1759



29.1424, 0.4194, 0.2469



29.1424, 0.3599, 0.5452



29.1424, 0.1988, 0.4302

Sweetspot

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



29.1434, 0.2314, 0.1759



72.4616, 0.2927, 0.2892



70.5545, 0.2427, 0.3040



14.7776, 0.2896, 0.2831



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.



29.1434, 0.2314, 0.1759



21.3451, 0.2116, 0.1421



36.7596, 0.2814, 0.1947



17.5285, 0.3006, 0.3046



4.0965, 0.1575, 0.0642



0.4385, 0.1667, 0.0692

Inverse Universe

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



42.5878, 0.3382, 0.2262



36.3961, 0.3450, 0.2090



81.6520, 0.3289, 0.4770



18.2433, 0.3165, 0.3096



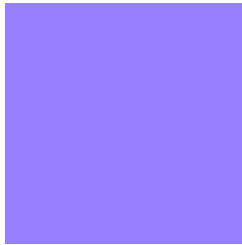
13.5849, 0.3702, 0.1813



1.3363, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 29.1424, 0.2314, 0.1759 looks on a white background.

Color Contrast Check

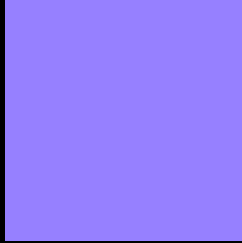
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1424, 0.2314, 0.1759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

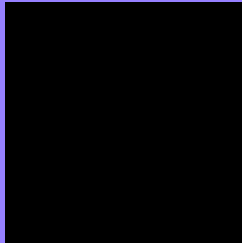
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1424, 0.2314, 0.1759

Background



This preview shows how black text looks on a background with the Yxy color 29.1424, 0.2314, 0.1759.



This preview shows how white text looks on a background with the Yxy color 29.1424, 0.2314, 0.1759.

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

29.1424, 0.2314, 0.1759

Protanopia

29.3517, 0.2036, 0.1828

Deuteranopia

29.3840, 0.1969, 0.1905



Tritanopia

28.9334, 0.2800, 0.3094

Trichromacy



Original Color

29.1424, 0.2314, 0.1759

Protanomaly

29.1100, 0.2122, 0.1798

Deuteranomaly

28.7307, 0.2055, 0.1831

Tritanomaly

28.4824, 0.2593, 0.2493

Monochromacy



Original Color

29.1424, 0.2314, 0.1759

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.0702, 0.2777, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1424, 0.2314, 0.1759 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(150, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 128, 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(150, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.1424, 0.2314, 0.1759 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(150, 128, 255) }
```

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

```
.border{ border-color:rgb(150, 128, 255) }
```

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

Here you see how a box with a 4 pixel rgb(150, 128, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1424, 0.2314, 0.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 128, 255) }
```

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

```
.background{ background-color: rgb(150,  
128, 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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