

Converting Colors

$Y_{xy}(29.3512, 0.2486, 0.2003)$

Have a look what the booklet for
Yxy(29.3512, 0.2486, 0.2003)
contains.

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Color

Yxy(29.3543, 0.2487, 0.2001)

Conversions

Conversions Part 1

Format	Color
Hex	9B84E9
RGB	155, 132, 233
RGB Percent	61%, 52%, 91%
CMY	0.3921, 0.4824, 0.0861
CMYK	0.33, 0.43, 0.00, 0.09
HSL	254°, 70%, 72%
HSV	254°, 43%, 91%
XYZ	36.4838, 29.3543, 80.8600
YIQ	150.3910, -18.7130, 36.2870

Conversions

Conversions Part 2

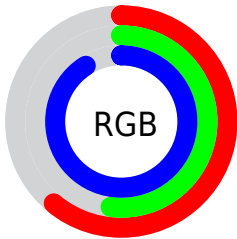
Format	Color
RYB	155, 132, 233
Decimal	10192105
CIELab	61.09, 31.08, -48.20
CIELCh	61, 57.348, 302.816
Yxy	29.3543, 0.2487, 0.2001
Android (android.graphics.Color)	4288382185 (0xFF9B84E9)
YUV	150.3910, 40.7262, 4.0421
Hunter-Lab	54.1796, 25.3852, -50.5613

Details

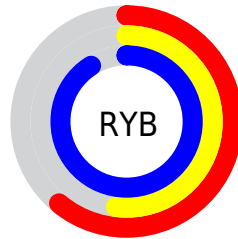
The Yxy color **29.3543, 0.2487, 0.2001** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.6651, 0.3598, 0.4426**, and the grayscale version is **30.5050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9150, 0.2836, 0.2535**, and **11.9182, 0.2278, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **22.0764, 0.2303, 0.1668**, and if you desaturate by 10%, it is **38.3110, 0.2662, 0.2333**.

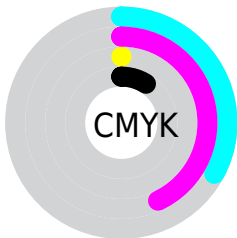
Distribution



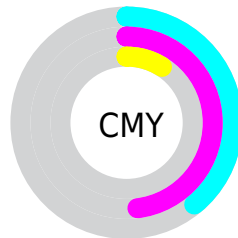
- Red (61%)
- Green (52%)
- Blue (91%)



- Red (61%)
- Yellow (52%)
- Blue (91%)



- Cyan (33%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)




- Cyan (39%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3543, 0.2487, 0.2001 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 29.3543, 0.2487, 0.2001 by changing the saturation by 10% instead.


 29.3543, 0.2487,
0.2001


 29.3543, 0.2487,
0.2001


298.8830, 0.2831,
0.2624


 19.3490, 0.2397,
0.1856


 58.6395, 0.2616,
0.2220

 11.9227, 0.2280,
0.1679


 78.6883, 0.2663,
0.2305

 6.6911, 0.2123,
0.1457


 102.8536, 0.2703,
0.2377

 3.2697, 0.1907,
0.1178

131.5199, 0.2737,
0.2440

 1.2741, 0.1599,
0.0829

165.0716, 0.2765,
0.2495

 0.1210, 0.1186,
0.0164

203.8931, 0.2790,

 0.0000, 0.0000,

0.2543

0.0000

248.3688, 0.2812,
0.2586

■ 29.3543, 0.2487,
0.2001

■ 29.3543, 0.2487,
0.2001

■ 22.0764, 0.2303,
0.1668

■ 38.3110, 0.2662,
0.2333

■ 16.3673, 0.2118,
0.1354

■ 49.0404, 0.2822,
0.2649

■ 12.1086, 0.1944,
0.1079

■ 61.6335, 0.2965,
0.2942

■ 9.1632, 0.1792,
0.0864

■ 76.1738, 0.3089,
0.3207

■ 7.3665, 0.1673,
0.0722

■ 92.7399, 0.3197,
0.3444

■ 6.6456, 0.1613,
0.0662

■ 98.6652, 0.3256,
0.3502

Harmonies

Analogous

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



29.3543, 0.1887, 0.1936



29.3543, 0.2487, 0.2001



29.3543, 0.3372, 0.2311

Triad

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



29.3543, 0.2487, 0.2001



29.3543, 0.4875, 0.4085



29.3543, 0.1997, 0.3706

Complementary

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



29.3543, 0.2487, 0.2001



73.6651, 0.3598, 0.4426

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.



29.3543, 0.2694, 0.4673



29.3543, 0.2487, 0.2001



29.3543, 0.4356, 0.4701

Square

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



29.3543, 0.2487, 0.2001



29.3543, 0.4892, 0.3429



29.3543, 0.3558, 0.5025



29.3543, 0.1632, 0.2748

Rectangle

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



29.3543, 0.2487, 0.2001



29.3543, 0.4017, 0.2630



29.3543, 0.3558, 0.5025



29.3543, 0.2197, 0.4060

Sweetspot

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



29.3554, 0.2487, 0.2001



76.1080, 0.2969, 0.2951



57.4489, 0.2494, 0.3012



15.5101, 0.2939, 0.2888



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.



29.3554, 0.2487, 0.2001



27.9739, 0.2323, 0.1705



35.2791, 0.2914, 0.2143



14.7146, 0.3015, 0.3049



3.8154, 0.1624, 0.0668



0.3418, 0.1757, 0.0741

Inverse Universe

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



38.4819, 0.3395, 0.2442



40.7012, 0.3469, 0.2284



67.5011, 0.3244, 0.4568



15.2516, 0.3173, 0.3110



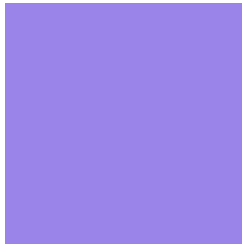
11.7166, 0.3884, 0.1913



0.9344, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 29.3543, 0.2487, 0.2001 looks on a white background.

Color Contrast Check

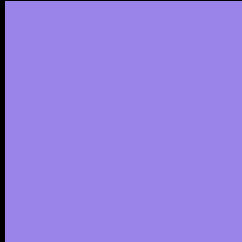
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3543, 0.2487, 0.2001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

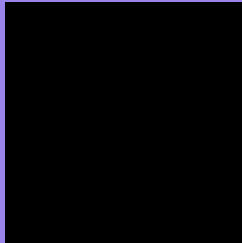
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3543, 0.2487, 0.2001

Background



This preview shows how black text looks on a background with the Yxy color 29.3543, 0.2487, 0.2001.



This preview shows how white text looks on a background with the Yxy color 29.3543, 0.2487, 0.2001.

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

29.3543, 0.2487, 0.2001

Protanopia

29.6040, 0.2135, 0.1953

Deuteranopia

29.5237, 0.2190, 0.2125



Tritanopia

29.2933, 0.2937, 0.3100

Trichromacy



Original Color

29.3543, 0.2487, 0.2001

Protanomaly

29.3325, 0.2242, 0.1967

Deuteranomaly

29.3265, 0.2286, 0.2078

Tritanomaly

28.9536, 0.2749, 0.2626

Monochromacy



Original Color

29.3543, 0.2487, 0.2001

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6156, 0.2874, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3543, 0.2487, 0.2001 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(155, 132, 233)` looks like.

```
.text, #text, p{  
    color:rgb(155, 132, 233)  
}
```

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(155, 132, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 132, 233) }
```

Border

The CSS property to change the border of an element to Yxy 29.3543, 0.2487, 0.2001 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(155, 132, 233) }
```

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

```
.border{ border-color:rgb(155, 132, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 132, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 132, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 132, 233);  
box-shadow:4px 4px 4px 4px rgb(155, 132,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3543, 0.2487, 0.2001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 132, 233) }
```

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

```
.background{ background-color: rgb(155,  
132, 233) }
```

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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