

Converting Colors

$Y_{xy}(31.1689, 0.2591, 0.2122)$

Have a look what the booklet for
Yxy(31.1689, 0.2591, 0.2122)
contains.

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Color

Yxy(30.9963, 0.2592, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	A388E4
RGB	163, 136, 228
RGB Percent	64%, 53%, 89%
CMY	0.3606, 0.4667, 0.1060
CMYK	0.28, 0.40, 0.00, 0.11
HSL	258°, 63%, 71%
HSV	258°, 40%, 89%
XYZ	37.9152, 30.9963, 77.3664
YIQ	154.5610, -13.4400, 34.3360

Conversions

Conversions Part 2

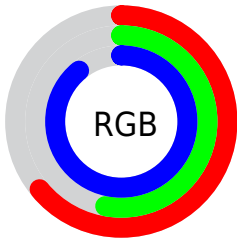
Format	Color
RYB	163, 136, 228
Decimal	10717412
CIELab	62.50, 29.69, -43.12
CIELCh	63, 52.348, 304.549
Yxy	30.9963, 0.2592, 0.2119
Android (android.graphics.Color)	4288907492 (0xFFFA388E4)
YUV	154.5610, 36.2054, 7.4010
Hunter-Lab	55.6743, 24.1318, -43.4188

Details

The Yxy color **30.9963, 0.2592, 0.2119** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.6596, 0.3523, 0.4362**, and the grayscale version is **32.4187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2626, 0.2896, 0.2601**, and **12.8853, 0.2420, 0.1826** is the 20% darker color. If you saturate the color by 10%, you get **23.6523, 0.2423, 0.1794**, and if you desaturate by 10%, it is **39.9245, 0.2749, 0.2440**.

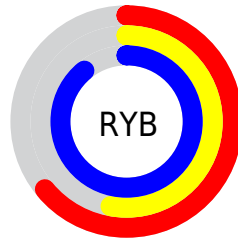
Distribution



Red (64%)

Green (53%)

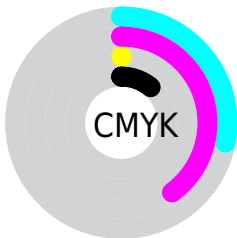
Blue (89%)



Red (64%)

Yellow (53%)

Blue (89%)

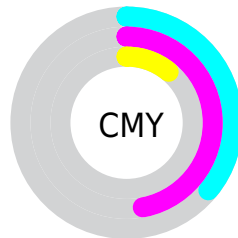


Cyan (28%)

Magenta (40%)

Yellow (0%)

Black (11%)



Cyan (36%)


Magenta (47%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9963, 0.2592, 0.2119 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 30.9963, 0.2592, 0.2119 by changing the saturation by 10% instead.

 30.9963, 0.2592,
0.2119


 30.9963, 0.2592,
0.2119


306.5213, 0.2881,
0.2687


 20.5960, 0.2516,
0.1986

 61.2342, 0.2701,
0.2320

 12.8290, 0.2416,
0.1820


 81.8407, 0.2740,
0.2397

 7.3109, 0.2281,
0.1611

 106.6180, 0.2774,
0.2463

 3.6573, 0.2092,
0.1343

135.9506, 0.2802,
0.2520

 1.4838, 0.1815,
0.0998

170.2228, 0.2826,
0.2570

 0.2773, 0.1420,
0.0395

209.8191, 0.2846,

 0.0000, 0.0000,

0.2614

0.0000

255.1238, 0.2865,
0.2653

■ 30.9963, 0.2592,
0.2119

■ 30.9963, 0.2592,
0.2119

■ 23.6523, 0.2423,
0.1794

■ 39.9245, 0.2749,
0.2440

■ 17.7934, 0.2248,
0.1480

■ 50.5206, 0.2891,
0.2745

■ 13.3147, 0.2077,
0.1198

■ 62.8666, 0.3016,
0.3026

■ 10.0957, 0.1919,
0.0967

■ 77.0381, 0.3124,
0.3282

■ 7.9937, 0.1785,
0.0801

■ 93.1061, 0.3216,
0.3510

■ 6.7948, 0.1683,
0.0701

■ 98.3802, 0.3286,
0.3552

Harmonies

Analogous

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



30.9963, 0.2019, 0.2048



30.9963, 0.2592, 0.2119



30.9963, 0.3404, 0.2419

Triad

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



30.9963, 0.2592, 0.2119



30.9963, 0.4700, 0.4077



30.9963, 0.2078, 0.3614

Complementary

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



30.9963, 0.2592, 0.2119



69.6596, 0.3523, 0.4362

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.



30.9963, 0.2706, 0.4472



30.9963, 0.2592, 0.2119



30.9963, 0.4224, 0.4611

Square

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



30.9963, 0.2592, 0.2119



30.9963, 0.4729, 0.3472



30.9963, 0.3493, 0.4840



30.9963, 0.1751, 0.2774

Rectangle

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



30.9963, 0.2592, 0.2119



30.9963, 0.3976, 0.2722



30.9963, 0.3493, 0.4840



30.9963, 0.2258, 0.3924

Sweetspot

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



30.9975, 0.2592, 0.2119



78.1373, 0.2995, 0.2980



53.0352, 0.2521, 0.2954



16.2598, 0.2980, 0.2944



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.



30.9975, 0.2592, 0.2119



32.2757, 0.2458, 0.1860



36.6234, 0.2990, 0.2242



14.0915, 0.3026, 0.3050



3.9776, 0.1697, 0.0708



0.3405, 0.1852, 0.0794

Inverse Universe

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



38.3105, 0.3432, 0.2562



43.0406, 0.3514, 0.2426



64.3121, 0.3198, 0.4482



14.5392, 0.3183, 0.3126



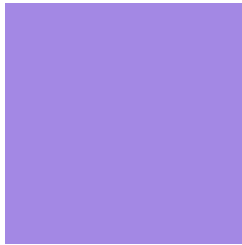
11.0309, 0.4121, 0.2044



0.8312, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 30.9963, 0.2592, 0.2119 looks on a white background.

Color Contrast Check

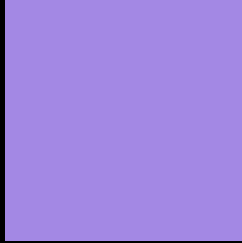
Large Text (above 18pt) WCAG AA × Fail

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 30.9963, 0.2592, 0.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

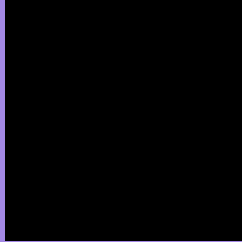
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9963, 0.2592, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 30.9963, 0.2592, 0.2119.



This preview shows how white text looks on a background with the Yxy color 30.9963, 0.2592, 0.2119.

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

30.9963, 0.2592, 0.2119

Protanopia

31.1937, 0.2225, 0.2071

Deuteranopia

31.1005, 0.2306, 0.2244



Tritanopia

30.9054, 0.3016, 0.3107

Trichromacy



Original Color

30.9963, 0.2592, 0.2119

Protanomaly

31.0130, 0.2342, 0.2088

Deuteranomaly

30.8101, 0.2395, 0.2191

Tritanomaly

30.7645, 0.2853, 0.2700

Monochromacy



Original Color

30.9963, 0.2592, 0.2119

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8263, 0.2916, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9963, 0.2592, 0.2119 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(163, 136, 228)` looks like.

```
.text, #text, p{  
    color:rgb(163, 136, 228)  
}
```

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(163, 136, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 136, 228) }
```

Border

The CSS property to change the border of an element to Yxy 30.9963, 0.2592, 0.2119 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(163, 136, 228) }
```

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

```
.border{ border-color:rgb(163, 136, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 136, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 136, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 136, 228);  
box-shadow:4px 4px 4px 4px rgb(163, 136,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9963, 0.2592, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 136, 228) }
```

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

```
.background{ background-color: rgb(163,  
136, 228) }
```

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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