

Converting Colors

$Y_{xy}(30.9972, 0.2955, 0.2711)$

Have a look what the booklet for
Yxy(30.9972, 0.2955, 0.2711)
contains.

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Color

Yxy(30.9981, 0.2955, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	A48FB8
RGB	164, 143, 184
RGB Percent	64%, 56%, 72%
CMY	0.3568, 0.4392, 0.2784
CMYK	0.11, 0.22, 0.00, 0.28
HSL	271°, 22%, 64%
HSV	271°, 22%, 72%
XYZ	33.7880, 30.9981, 49.5558
YIQ	153.9530, -0.6450, 17.2030

Conversions

Conversions Part 2

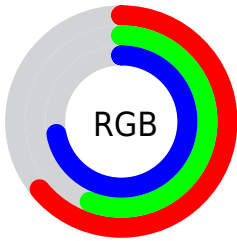
Format	Color
RYB	164, 143, 184
Decimal	10784696
CIELab	62.51, 15.81, -18.49
CIELCh	63, 24.325, 310.535
Yxy	30.9981, 0.2955, 0.2711
Android (android.graphics.Color)	4288974776 (0xFFA48FB8)
YUV	153.9530, 14.8132, 8.8112
Hunter-Lab	55.6759, 10.8934, -13.7994

Details

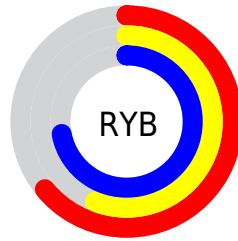
The Yxy color **30.9981, 0.2955, 0.2711** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.0538, 0.3270, 0.3872**, and the grayscale version is **32.2289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2838, 0.2991, 0.2824**, and **12.9121, 0.2893, 0.2542** is the 20% darker color. If you saturate the color by 10%, you get **24.9996, 0.2858, 0.2425**, and if you desaturate by 10%, it is **37.9726, 0.3040, 0.2983**.

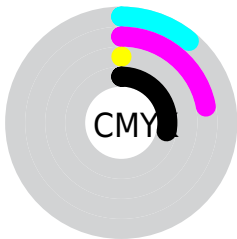
Distribution



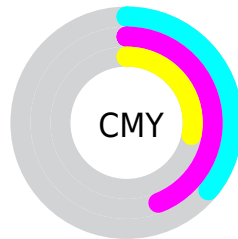
- Red (64%)
- Green (56%)
- Blue (72%)



- Red (64%)
- Yellow (56%)
- Blue (72%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)





- Cyan (36%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9981, 0.2955, 0.2711 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 30.9981, 0.2955, 0.2711 by changing the saturation by 10% instead.


 30.9981, 0.2955,
0.2711


 30.9981, 0.2955,
0.2711


306.5296, 0.3050,
0.3008

 20.5974, 0.2928,
0.2635

 61.2371, 0.2992,
0.2821

 12.8300, 0.2892,
0.2535


 81.8442, 0.3005,
0.2861

 7.3116, 0.2840,
0.2401


 106.6221, 0.3016,
0.2896

 3.6577, 0.2760,
0.2210

135.9554, 0.3025,
0.2925

 1.4840, 0.2626,
0.1922

170.2284, 0.3033,
0.2950

 0.2774, 0.2434,
0.1040

209.8255, 0.3039,

 0.0000, 0.0000,

0.2972

0.0000

255.1311, 0.3045,
0.2991

■ 30.9981, 0.2955,
0.2711

■ 30.9981, 0.2955,
0.2711

■ 24.9996, 0.2858,
0.2425

■ 37.9726, 0.3040,
0.2983

■ 19.9279, 0.2749,
0.2132

■ 45.9618, 0.3112,
0.3235

■ 15.7348, 0.2630,
0.1842


■ 55.0068, 0.3174,
0.3466


■ 12.3664, 0.2504,
0.1569

■ 65.1454, 0.3225,
0.3676

■ 9.7627, 0.2375,
0.1327


■ 76.4134, 0.3268,
0.3865

 7.8549, 0.2249,
0.1130

 88.8449, 0.3303,
0.4033

 6.5612, 0.2132,
0.0985

 91.2792, 0.3360,
0.4034

 5.8585, 0.2048,
0.0902

 92.7739, 0.3420,
0.4020

 94.3457, 0.3480,
0.4005

Harmonies

Analogous

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



30.9981, 0.2627, 0.2658



30.9981, 0.2955, 0.2711



30.9981, 0.3351, 0.2896

Triad

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



30.9981, 0.2955, 0.2711



30.9981, 0.3859, 0.3782



30.9981, 0.2575, 0.3375

Complementary

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



30.9981, 0.2955, 0.2711



44.0538, 0.3270, 0.3872

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.



30.9981, 0.2879, 0.3739



30.9981, 0.2955, 0.2711



30.9981, 0.3623, 0.3966

Square

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



30.9981, 0.2955, 0.2711



30.9981, 0.3891, 0.3490



30.9981, 0.3262, 0.3962



30.9981, 0.2419, 0.3012

Rectangle

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



30.9981, 0.2955, 0.2711



30.9981, 0.3597, 0.3073



30.9981, 0.3262, 0.3962



30.9981, 0.2662, 0.3504

Sweetspot

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



30.9994, 0.2955, 0.2711



76.0826, 0.3079, 0.3116



35.6738, 0.2779, 0.2989



16.2178, 0.3074, 0.3101



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9994, 0.2955, 0.2711



50.3589, 0.2906, 0.2565



33.2964, 0.3153, 0.2745



8.9397, 0.3062, 0.3059



4.0793, 0.2061, 0.0909



0.1805, 0.2346, 0.1066

Inverse Universe

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



32.4790, 0.3362, 0.3016



53.6070, 0.3431, 0.2949



42.1081, 0.3098, 0.3903



9.0832, 0.3214, 0.3179



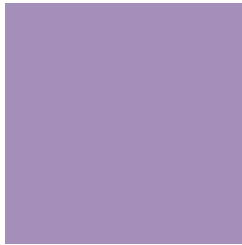
7.5422, 0.4984, 0.2520



0.2784, 0.4409, 0.2203

Previews

White Background



This preview shows how the Yxy color 30.9981, 0.2955, 0.2711 looks on a white background.

Color Contrast Check

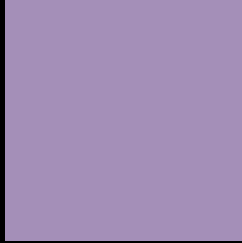
Large Text (above 18pt) WCAG AA × Fail

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 30.9981, 0.2955, 0.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

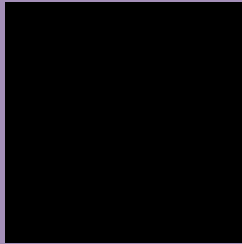
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9981, 0.2955, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 30.9981, 0.2955, 0.2711.



This preview shows how white text looks on a background with the Yxy color 30.9981, 0.2955, 0.2711.

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

30.9981, 0.2955, 0.2711

Protanopia

31.2376, 0.2717, 0.2716

Deuteranopia

31.0827, 0.2834, 0.2777



Tritanopia

30.8442, 0.3146, 0.3111

Trichromacy



Original Color

30.9981, 0.2955, 0.2711

Protanomaly

30.9393, 0.2800, 0.2709

Deuteranomaly

30.9452, 0.2879, 0.2754

Tritanomaly

30.9620, 0.3071, 0.2967

Monochromacy



Original Color

30.9981, 0.2955, 0.2711

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7984, 0.3068, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9981, 0.2955, 0.2711 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(164, 143, 184)` looks like.

```
.text, #text, p{  
    color:rgb(164, 143, 184)  
}
```

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(164, 143, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 143, 184) }
```

Border

The CSS property to change the border of an element to Yxy 30.9981, 0.2955, 0.2711 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(164, 143, 184) }
```

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

```
.border{ border-color:rgb(164, 143, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 143, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 143, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 143, 184);  
box-shadow:4px 4px 4px 4px rgb(164, 143,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9981, 0.2955, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 143, 184) }
```

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

```
.background{ background-color: rgb(164,  
143, 184) }
```

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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