

Converting Colors

$Y_{xy}(31.6733, 0.2671, 0.2535)$

Have a look what the booklet for
Yxy(31.6733, 0.2671, 0.2535)
contains.

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Color

Yxy(31.6928, 0.2675, 0.2542)

Conversions

Conversions Part 1

Format	Color
Hex	9494C9
RGB	148, 148, 201
RGB Percent	58%, 58%, 79%
CMY	0.4195, 0.4196, 0.2117
CMYK	0.26, 0.26, 0.00, 0.21
HSL	240°, 33%, 68%
HSV	240°, 26%, 79%
XYZ	33.3510, 31.6928, 59.6328
YIQ	154.0420, -17.0130, 16.4830

Conversions

Conversions Part 2

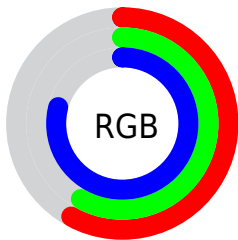
Format	Color
R _Y B	148, 148, 201
Decimal	9737417
CIE Lab	63.09, 11.77, -27.27
CIE LCh	63, 29.704, 293.335
Yxy	31.6928, 0.2675, 0.2542
Android (android.graphics.Color)	4287927497 (0xFF9494C9)
YUV	154.0420, 23.1503, -5.2988
Hunter-Lab	56.2964, 7.2281, -23.3964

Details

The Yxy color **31.6928, 0.2675, 0.2542** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.3389, 0.3522, 0.3943**, and the grayscale version is **32.2389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1576, 0.2784, 0.2712**, and **13.1428, 0.2525, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **24.2122, 0.2470, 0.2204**, and if you desaturate by 10%, it is **40.5961, 0.2863, 0.2853**.

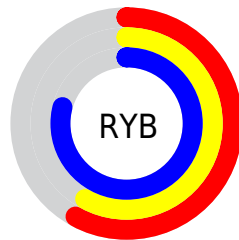
Distribution



Red (58%)

Green (58%)

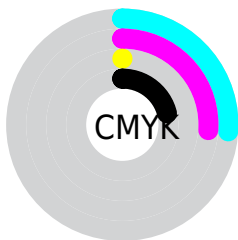
Blue (79%)



Red (58%)

Yellow (58%)

Blue (79%)

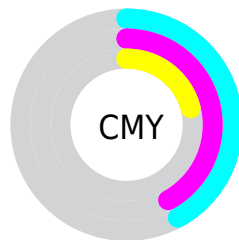


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (21%)



Cyan (42%)


Magenta (42%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6928, 0.2675, 0.2542 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 31.6928, 0.2675, 0.2542 by changing the saturation by 10% instead.


 31.6928, 0.2675,
0.2542


 31.6928, 0.2675,
0.2542


309.7175, 0.2915,
0.2923

 21.1270, 0.2611,
0.2446


 62.3292, 0.2765,
0.2682

 13.2168, 0.2527,
0.2322


 83.1685, 0.2798,
0.2734

 7.5780, 0.2412,
0.2157


108.2012, 0.2826,
0.2778

 3.8262, 0.2246,
0.1930

137.8115, 0.2849,
0.2815

 1.5768, 0.1990,
0.1600

172.3839, 0.2869,
0.2848

 0.3419, 0.1561,
0.0872

212.3027, 0.2886,

 0.0000, 0.0000,

0.2876

0.0000

257.9525, 0.2902,
0.2901

■ 31.6928, 0.2675,
0.2542

■ 31.6928, 0.2675,
0.2542

■ 24.2122, 0.2470,
0.2204

■ 40.5961, 0.2863,
0.2853

■ 18.0773, 0.2256,
0.1850

■ 50.9864, 0.3031,
0.3131

■ 13.2091, 0.2045,
0.1499

■ 62.9288, 0.3178,
0.3374

■ 9.5193, 0.1850,
0.1178

■ 76.4833, 0.3306,
0.3585

■ 6.9081, 0.1690,
0.0913

■ 91.7066, 0.3415,
0.3767

■ 5.2593, 0.1577,
0.0727

■ 96.9982, 0.3448,
0.3820

■ 4.4239, 0.1516,
0.0626

■ 4.2191, 0.1500,
0.0600

Harmonies

Analogous

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



31.6928, 0.2375, 0.2576



31.6928, 0.2675, 0.2542



31.6928, 0.3116, 0.2677

Triad

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



31.6928, 0.2675, 0.2542



31.6928, 0.4071, 0.3678



31.6928, 0.2651, 0.3659

Complementary

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



31.6928, 0.2675, 0.2542



56.3389, 0.3522, 0.3943

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.



31.6928, 0.3082, 0.4030



31.6928, 0.2675, 0.2542



31.6928, 0.3913, 0.3994

Square

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



31.6928, 0.2675, 0.2542



31.6928, 0.3954, 0.3303



31.6928, 0.3545, 0.4144



31.6928, 0.2360, 0.3189

Rectangle

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



31.6928, 0.2675, 0.2542



31.6928, 0.3439, 0.2845



31.6928, 0.3545, 0.4144



31.6928, 0.2783, 0.3804

Sweetspot

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



31.6941, 0.2675, 0.2542



84.0044, 0.3003, 0.3085



52.2984, 0.2745, 0.3289



17.3784, 0.2978, 0.3044



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.



31.6941, 0.2675, 0.2542



46.1970, 0.2553, 0.2339



34.4527, 0.2909, 0.2590



10.2878, 0.2983, 0.3051



2.6522, 0.1500, 0.0600



0.1257, 0.1501, 0.0601

Inverse Universe

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



37.8148, 0.3158, 0.2641



58.5172, 0.3165, 0.2493



52.9801, 0.3301, 0.3992



10.8165, 0.3138, 0.3063



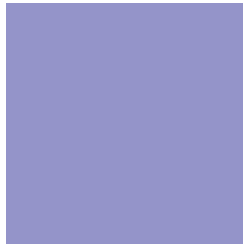
10.4552, 0.3211, 0.1542



0.4951, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 31.6928, 0.2675, 0.2542 looks on a white background.

Color Contrast Check

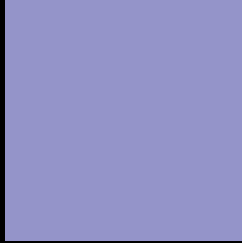
Large Text (above 18pt) WCAG AA × Fail

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 31.6928, 0.2675, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

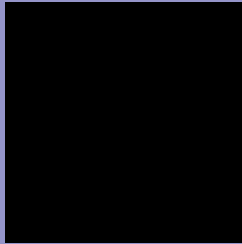
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6928, 0.2675, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 31.6928, 0.2675, 0.2542.



This preview shows how white text looks on a background with the Yxy color 31.6928, 0.2675, 0.2542.

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

31.6928, 0.2675, 0.2542

Protanopia

31.8483, 0.2584, 0.2545

Deuteranopia

31.6925, 0.2620, 0.2560



Tritanopia

31.5639, 0.2889, 0.3089

Trichromacy



Original Color

31.6928, 0.2675, 0.2542

Protanomaly

31.8277, 0.2621, 0.2549

Deuteranomaly

31.6412, 0.2643, 0.2550

Tritanomaly

31.6404, 0.2815, 0.2886

Monochromacy



Original Color

31.6928, 0.2675, 0.2542

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.0721, 0.2956, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6928, 0.2675, 0.2542 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(148, 148, 201)` looks like.

```
.text, #text, p{  
    color:rgb(148, 148, 201)  
}
```

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(148, 148, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 148, 201) }
```

Border

The CSS property to change the border of an element to Yxy 31.6928, 0.2675, 0.2542 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(148, 148, 201) }
```

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

```
.border{ border-color:rgb(148, 148, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 148, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 148, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 148, 201);  
box-shadow:4px 4px 4px 4px rgb(148, 148,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6928, 0.2675, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 148, 201) }
```

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

```
.background{ background-color: rgb(148,  
148, 201) }
```

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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