

Converting Colors

$Y_{xy}(41.8258, 0.2836, 0.3004)$

Have a look what the booklet for
Yxy(41.8258, 0.2836, 0.3004)
contains.

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Color

Yxy(42.0164, 0.2831, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	9FAFC4
RGB	159, 175, 196
RGB Percent	62%, 69%, 77%
CMY	0.3764, 0.3137, 0.2313
CMYK	0.19, 0.11, 0.00, 0.23
HSL	214°, 24%, 70%
HSV	214°, 19%, 77%
XYZ	39.5967, 42.0164, 58.2551
YIQ	172.6100, -16.2770, 3.1390

Conversions

Conversions Part 2

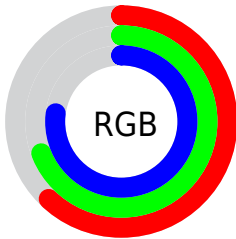
Format	Color
RYB	159, 170, 196
Decimal	10465220
CIELab	70.88, -1.06, -12.57
CIElCh	71, 12.611, 265.171
Yxy	42.0164, 0.2831, 0.3004
Android (android.graphics.Color)	4288655300 (0xFF9FAFC4)
YUV	172.6100, 11.5313, -11.9360
Hunter-Lab	64.8201, -4.3947, -7.9111

Details

The Yxy color **42.0164, 0.2831, 0.3004** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.9025, 0.3443, 0.3560**, and the grayscale version is **41.5300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9816, 0.2883, 0.3048**, and **19.2447, 0.2747, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **36.0116, 0.2665, 0.2828**, and if you desaturate by 10%, it is **48.7001, 0.2991, 0.3163**.

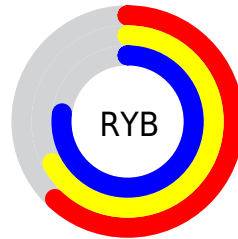
Distribution



Red (62%)

Green (69%)

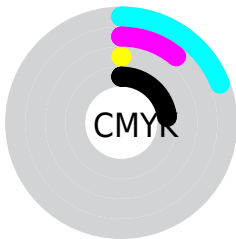
Blue (77%)



Red (62%)

Yellow (67%)

Blue (77%)

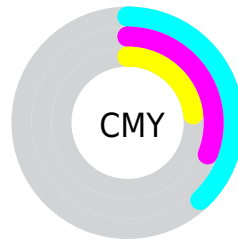


Cyan (19%)

Magenta (11%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (31%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0164, 0.2831, 0.3004 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 42.0164, 0.2831, 0.3004 by changing the saturation by 10% instead.

■ 42.0164, 0.2831,
0.3004

■ 42.0164, 0.2831,
0.3004

■ 354.5509, 0.2981,
0.3149

■ 29.1141, 0.2793,
0.2967

■ 78.2244, 0.2886,
0.3057

■ 19.1672, 0.2745,
0.2920

■ 102.2990, 0.2906,
0.3077

■ 11.7911, 0.2679,
0.2856

■ 130.8665, 0.2923,
0.3094

■ 6.6016, 0.2588,
0.2766

■ 164.3112, 0.2938,
0.3108

■ 3.2142, 0.2450,
0.2630

■ 203.0176, 0.2951,
0.3120

■ 1.2446, 0.2222,
0.2403

■ 247.3701, 0.2962,

■ 0.0977, 0.0582,

0.3131

0.0850

297.7531, 0.2972,
0.3141

0.0000, 0.0000,
0.0000

42.0164, 0.2831,
0.3004

42.0164, 0.2831,
0.3004

36.0116, 0.2665,
0.2828

48.7001, 0.2991,
0.3163

30.6571, 0.2496,
0.2636

56.0798, 0.3144,
0.3305

25.9294, 0.2329,
0.2430

64.1783, 0.3287,
0.3431

21.8017, 0.2170,
0.2214

73.0159, 0.3421,
0.3542

18.2447, 0.2023,
0.1993

82.2240, 0.3529,
0.3641

■ 15.2259, 0.1897,
0.1774

■ 88.6479, 0.3505,
0.3748

■ 12.7087, 0.1794,
0.1565

■ 95.4754, 0.3482,
0.3851

■ 10.6379, 0.1717,
0.1372

■ 96.7661, 0.3478,
0.3870

■ 10.4246, 0.1709,
0.1351

Harmonies

Analogous

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



42.0164, 0.2778, 0.3099



42.0164, 0.2831, 0.3004



42.0164, 0.2962, 0.2986

Triad

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



42.0164, 0.2831, 0.3004



42.0164, 0.3448, 0.3316



42.0164, 0.3106, 0.3555

Complementary

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



42.0164, 0.2831, 0.3004



46.9025, 0.3443, 0.3560

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.



42.0164, 0.3288, 0.3612



42.0164, 0.2831, 0.3004



42.0164, 0.3489, 0.3467

Square

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



42.0164, 0.2831, 0.3004



42.0164, 0.3319, 0.3163



42.0164, 0.3429, 0.3577



42.0164, 0.2934, 0.3420

Rectangle

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



42.0164, 0.2831, 0.3004



42.0164, 0.3078, 0.3017



42.0164, 0.3429, 0.3577



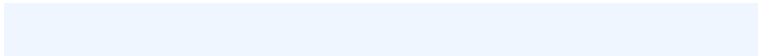
42.0164, 0.3168, 0.3584

Sweetspot

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



42.0181, 0.2831, 0.3004



91.7904, 0.3035, 0.3204



50.1545, 0.2956, 0.3506



19.4618, 0.3024, 0.3195



0.0000, 0.0000, 0.0000



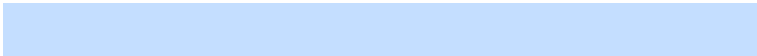
21.4041, 0.3127, 0.3290

Same Dimension

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



42.0181, 0.2831, 0.3004



71.0710, 0.2757, 0.2927



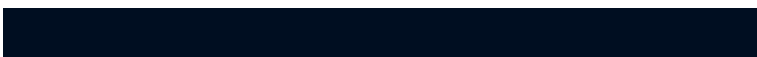
36.4201, 0.2839, 0.2783



10.4472, 0.2984, 0.3156



6.8615, 0.1716, 0.1377



0.4332, 0.1839, 0.1819

Inverse Universe

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



39.6382, 0.3339, 0.3085



66.1543, 0.3402, 0.3033



53.3998, 0.3387, 0.3757



10.1485, 0.3223, 0.3191



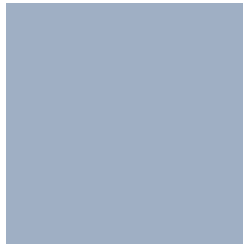
7.9749, 0.5222, 0.2651



0.3584, 0.4663, 0.2342

Previews

White Background



This preview shows how the Yxy color 42.0164, 0.2831, 0.3004 looks on a white background.

Color Contrast Check

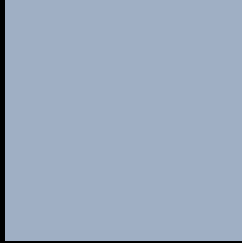
Large Text (above 18pt) WCAG AA × Fail

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 42.0164, 0.2831, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

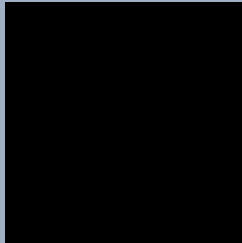
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

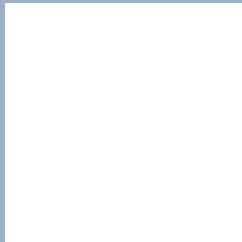
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0164, 0.2831, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 42.0164, 0.2831, 0.3004.



This preview shows how white text looks on a background with the Yxy color 42.0164, 0.2831, 0.3004.

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

42.0164, 0.2831, 0.3004

Protanopia

41.9461, 0.2934, 0.2996

Deuteranopia

41.9909, 0.2986, 0.2926



Tritanopia

42.0375, 0.2867, 0.3097

Trichromacy



Original Color

42.0164, 0.2831, 0.3004

Protanomaly

41.9343, 0.2893, 0.2994

Deuteranomaly

41.9277, 0.2927, 0.2946

Tritanomaly

42.1255, 0.2853, 0.3070

Monochromacy



Original Color

42.0164, 0.2831, 0.3004

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.9331, 0.3018, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0164, 0.2831, 0.3004 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(159, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(159, 175, 196)  
}
```

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(159, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 175, 196) }
```

Border

The CSS property to change the border of an element to Yxy 42.0164, 0.2831, 0.3004 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(159, 175, 196) }
```

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

```
.border{ border-color:rgb(159, 175, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 175, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 175, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 175, 196);  
box-shadow:4px 4px 4px 4px rgb(159, 175,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0164, 0.2831, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 175, 196) }
```

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

```
.background{ background-color: rgb(159,  
175, 196) }
```

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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