

Converting Colors

$Yxy(40.1303, 0.2862, 0.2802)$

Have a look what the booklet for
Yxy(40.1303, 0.2862, 0.2802)
contains.

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Color

Yxy(40.1303, 0.2862, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	AAA6CB
RGB	170, 166, 203
RGB Percent	67%, 65%, 80%
CMY	0.3335, 0.3490, 0.2038
CMYK	0.16, 0.18, 0.00, 0.20
HSL	246°, 26%, 72%
HSV	246°, 18%, 80%
XYZ	40.9896, 40.1303, 62.1003
YIQ	171.4140, -9.4930, 12.3550

Conversions

Conversions Part 2

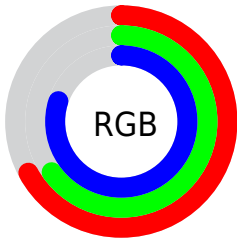
Format	Color
R _{YB}	170, 166, 203
Decimal	11183819
CIE _{Lab}	69.56, 8.96, -18.34
CIE _{LCh}	70, 20.409, 296.031
Yxy	40.1303, 0.2862, 0.2802
Android (android.graphics.Color)	4289373899 (0xFFAAA6CB)
YUV	171.4140, 15.5719, -1.2401
Hunter-Lab	63.3485, 4.6385, -13.7778

Details

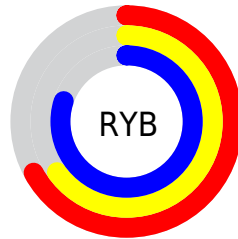
The Yxy color $40.1303, 0.2862, 0.2802$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $57.6291, 0.3367, 0.3744$, and the grayscale version is $40.8665, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1017, 0.2946, 0.2939$, and $17.9865, 0.2775, 0.2658$ is the 20% darker color. If you saturate the color by 10%, you get $31.4404, 0.2690, 0.2492$, and if you desaturate by 10%, it is $50.2674, 0.3015, 0.3083$.

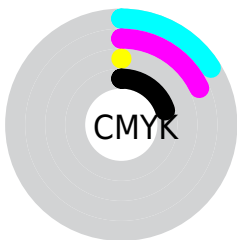
Distribution



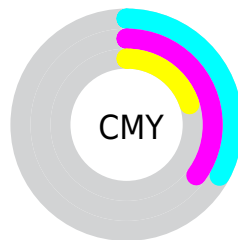
- Red (67%)
- Green (65%)
- Blue (80%)



- Red (67%)
- Yellow (65%)
- Blue (80%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)





- Cyan (33%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1303, 0.2862, 0.2802 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 40.1303, 0.2862, 0.2802 by changing the saturation by 10% instead.


 40.1303, 0.2862,
0.2802


 40.1303, 0.2862,
0.2802


346.6725, 0.2999,
0.3045

 27.6402, 0.2827,
0.2742


 75.3619, 0.2913,
0.2890

 18.0546, 0.2781,
0.2664


 98.8721, 0.2931,
0.2923

 10.9892, 0.2719,
0.2562


126.8245, 0.2947,
0.2952

 6.0596, 0.2631,
0.2421

159.6034, 0.2960,
0.2976

 2.8813, 0.2497,
0.2215

197.5933, 0.2972,
0.2997

 1.0701, 0.2270,
0.1889


241.1785, 0.2982,


 0.0000, 0.1209,


0.3015


0.0000


290.7434, 0.2991,
0.3031


 0.0000, 0.0000,
0.0000


 40.1303, 0.2862,
0.2802


 40.1303, 0.2862,
0.2802


 31.4404, 0.2690,
0.2492


 50.2674, 0.3015,
0.3083


 24.1270, 0.2501,
0.2158


 61.9085, 0.3150,
0.3332


 18.1206, 0.2301,
0.1814

 75.1132, 0.3265,
0.3550

 13.3439, 0.2100,
0.1476

 89.9365, 0.3365,
0.3740

 9.7113, 0.1911,
0.1168

 97.0930, 0.3436,
0.3800

■ 7.1263, 0.1748,
0.0915

■ 5.4761, 0.1624,
0.0735

■ 4.5963, 0.1545,
0.0633

■ 4.4800, 0.1534,
0.0619

Harmonies

Analogous

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



40.1303, 0.2651, 0.2821



40.1303, 0.2862, 0.2802



40.1303, 0.3153, 0.2900

Triad

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



40.1303, 0.2862, 0.2802



40.1303, 0.3724, 0.3576



40.1303, 0.2803, 0.3497

Complementary

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



40.1303, 0.2862, 0.2802



57.6291, 0.3367, 0.3744

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.



40.1303, 0.3079, 0.3730



40.1303, 0.2862, 0.2802



40.1303, 0.3616, 0.3761

Square

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



40.1303, 0.2862, 0.2802



40.1303, 0.3663, 0.3331



40.1303, 0.3377, 0.3825



40.1303, 0.2618, 0.3210

Rectangle

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



40.1303, 0.2862, 0.2802



40.1303, 0.3356, 0.3018



40.1303, 0.3377, 0.3825



40.1303, 0.2888, 0.3586

Sweetspot

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



40.1320, 0.2862, 0.2802



90.0369, 0.3060, 0.3165



53.4171, 0.2853, 0.3242



18.9832, 0.3050, 0.3147



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.



40.1320, 0.2862, 0.2802



60.9846, 0.2794, 0.2679



42.3091, 0.3018, 0.2824



10.9004, 0.2999, 0.3052



2.8698, 0.1541, 0.0622



0.1679, 0.1661, 0.0688

Inverse Universe

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



44.1037, 0.3182, 0.2888



68.9009, 0.3195, 0.2796



55.2789, 0.3219, 0.3766



11.3823, 0.3154, 0.3086



10.2196, 0.3495, 0.1699



0.5333, 0.3432, 0.1665

Previews

White Background



This preview shows how the Yxy color 40.1303, 0.2862, 0.2802 looks on a white background.

Color Contrast Check

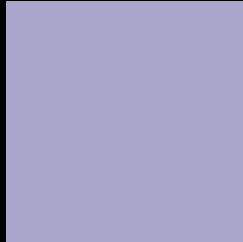
Large Text (above 18pt) WCAG AA × Fail

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 40.1303, 0.2862, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

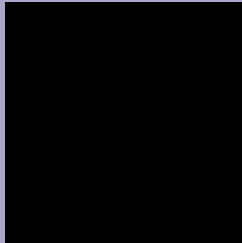
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1303, 0.2862, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 40.1303, 0.2862, 0.2802.



This preview shows how white text looks on a background with the Yxy color 40.1303, 0.2862, 0.2802.

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

40.1303, 0.2862, 0.2802

Protanopia

40.0944, 0.2784, 0.2796

Deuteranopia

40.1303, 0.2862, 0.2802



Tritanopia

40.2753, 0.2985, 0.3111

Trichromacy



Original Color

40.1303, 0.2862, 0.2802

Protanomaly

39.9964, 0.2814, 0.2798

Deuteranomaly

40.1303, 0.2862, 0.2802

Tritanomaly

40.3091, 0.2938, 0.3005

Monochromacy



Original Color

40.1303, 0.2862, 0.2802

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.4528, 0.3029, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1303, 0.2862, 0.2802 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(170, 166, 203)` looks like.

```
.text, #text, p{  
    color:rgb(170, 166, 203)  
}
```

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(170, 166, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 166, 203) }
```

Border

The CSS property to change the border of an element to Yxy 40.1303, 0.2862, 0.2802 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(170, 166, 203) }
```

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

```
.border{ border-color:rgb(170, 166, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 166, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 166, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 166, 203);  
box-shadow:4px 4px 4px 4px rgb(170, 166,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1303, 0.2862, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 166, 203) }
```

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

```
.background{ background-color: rgb(170,  
166, 203) }
```

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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