

Converting Colors

$Y_{xy}(50.4088, 0.2945, 0.2692)$

Have a look what the booklet for
Yxy(50.4088, 0.2945, 0.2692)
contains.

Yxy(50.3913, 0.2944, 0.2692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.3913, 0.2944, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	CCB2E6
RGB	204, 178, 230
RGB Percent	80%, 70%, 90%
CMY	0.1999, 0.3020, 0.0980
CMYK	0.11, 0.23, 0.00, 0.10
HSL	270°, 51%, 80%
HSV	270°, 23%, 90%
XYZ	55.1085, 50.3913, 81.6893
YIQ	191.7020, -1.1960, 21.6840

Conversions

Conversions Part 2

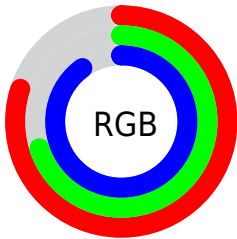
Format	Color
RYB	204, 178, 230
Decimal	13415142
CIELab	76.31, 19.05, -22.58
CIELCh	76, 29.540, 310.151
Yxy	50.3913, 0.2944, 0.2692
Android (android.graphics.Color)	4291605222 (0xFFCCB2E6)
YUV	191.7020, 18.8809, 10.7853
Hunter-Lab	70.9868, 14.3461, -18.5382

Details

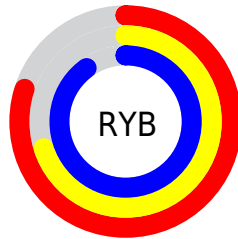
The Yxy color $50.3913, 0.2944, 0.2692$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $72.6480, 0.3278, 0.3889$, and the grayscale version is $52.4201, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $24.1128, 0.2889, 0.2545$ is the 20% darker color. If you saturate the color by 10%, you get $40.4301, 0.2842, 0.2400$, and if you desaturate by 10%, it is $62.0111, 0.3033, 0.2969$.

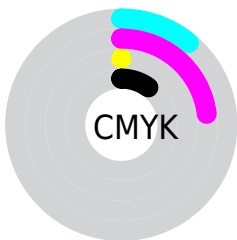
Distribution



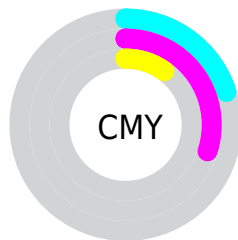
- Red (80%)
- Green (70%)
- Blue (90%)



- Red (80%)
- Yellow (70%)
- Blue (90%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (10%)





- Cyan (20%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3913, 0.2944, 0.2692 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 50.3913, 0.2944, 0.2692 by changing the saturation by 10% instead.

 50.3913, 0.2944,
0.2692

 50.3913, 0.2944,
0.2692


388.1942, 0.3038,
0.2974

 35.7244, 0.2920,
0.2626


 90.7544, 0.2978,
0.2791

 24.2214, 0.2890,
0.2545


117.2194, 0.2991,
0.2829

 15.4980, 0.2849,
0.2441


148.3858, 0.3002,
0.2862

 9.1696, 0.2793,
0.2304

184.6382, 0.3011,
0.2890

 4.8520, 0.2710,
0.2116

226.3608, 0.3019,
0.2915

 2.1607, 0.2577,
0.1846

273.9380, 0.3026,

 0.6984, 0.2346,

0.2937

0.1409

327.7544, 0.3032,
0.2957

0.0000, 0.0628,
0.0000

0.0000, 0.0000,
0.0000

50.3913, 0.2944,
0.2692

50.3913, 0.2944,
0.2692

40.4301, 0.2842,
0.2400

62.0111, 0.3033,
0.2969

32.0422, 0.2728,
0.2101

75.3568, 0.3109,
0.3226

25.1439, 0.2603,
0.1807

90.4996, 0.3174,
0.3462

19.6411, 0.2471,
0.1530

97.5567, 0.3241,
0.3535

■ 15.4286, 0.2338,
0.1288

■ 98.4936, 0.3274,
0.3532

■ 12.3854, 0.2209,
0.1093

■ 10.3659, 0.2090,
0.0953

■ 9.3622, 0.2010,
0.0881

Harmonies

Analogous

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



50.3913, 0.2608, 0.2639



50.3913, 0.2944, 0.2692



50.3913, 0.3352, 0.2880

Triad

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



50.3913, 0.2944, 0.2692



50.3913, 0.3885, 0.3793



50.3913, 0.2561, 0.3383

Complementary

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



50.3913, 0.2944, 0.2692



72.6480, 0.3278, 0.3889

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.



50.3913, 0.2875, 0.3759



50.3913, 0.2944, 0.2692



50.3913, 0.3643, 0.3987

Square

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



50.3913, 0.2944, 0.2692



50.3913, 0.3916, 0.3491



50.3913, 0.3271, 0.3987



50.3913, 0.2398, 0.3007

Rectangle

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



50.3913, 0.2944, 0.2692



50.3913, 0.3608, 0.3062



50.3913, 0.3271, 0.3987



50.3913, 0.2651, 0.3516

Sweetspot

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



50.3934, 0.2944, 0.2692



87.4824, 0.3077, 0.3115



58.3656, 0.2769, 0.2980



18.5050, 0.3072, 0.3100



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.



50.3934, 0.2944, 0.2692



57.7091, 0.2899, 0.2561



54.3781, 0.3153, 0.2729



14.2395, 0.3058, 0.3053



5.3728, 0.2026, 0.0890



0.4523, 0.2184, 0.0977

Inverse Universe

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



53.0237, 0.3365, 0.3001



61.6380, 0.3425, 0.2940



69.2767, 0.3097, 0.3923



14.4875, 0.3214, 0.3173



10.2490, 0.4955, 0.2503



0.7761, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 50.3913, 0.2944, 0.2692 looks on a white background.

Color Contrast Check

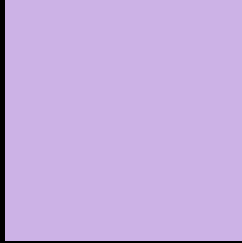
Large Text (above 18pt) WCAG AA × Fail

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 50.3913, 0.2944, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

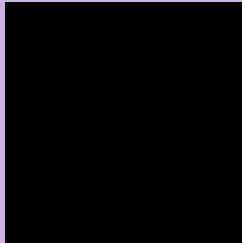
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3913, 0.2944, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 50.3913, 0.2944, 0.2692.



This preview shows how white text looks on a background with the Yxy color 50.3913, 0.2944, 0.2692.

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

50.3913, 0.2944, 0.2692

Protanopia

50.4040, 0.2700, 0.2689

Deuteranopia

50.3772, 0.2815, 0.2752



Tritanopia

50.5003, 0.3144, 0.3120

Trichromacy



Original Color

50.3913, 0.2944, 0.2692

Protanomaly

50.2466, 0.2781, 0.2686

Deuteranomaly

50.4505, 0.2867, 0.2736

Tritanomaly

50.5265, 0.3068, 0.2956

Monochromacy



Original Color

50.3913, 0.2944, 0.2692

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.7326, 0.3057, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3913, 0.2944, 0.2692 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(204, 178, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 230)  
}
```

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(204, 178, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 230) }
```

Border

The CSS property to change the border of an element to Yxy 50.3913, 0.2944, 0.2692 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(204, 178, 230) }
```

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

```
.border{ border-color:rgb(204, 178, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 178, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3913, 0.2944, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 230) }
```

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

```
.background{ background-color: rgb(204,  
178, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor