

Converting Colors

$Y_{xy}(52.9939, 0.2937, 0.2815)$

Have a look what the booklet for
Yxy(52.9939, 0.2937, 0.2815)
contains.

Yxy(52.9432, 0.2936, 0.2814)	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(52.9432, 0.2936, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	C8BAE3
RGB	200, 186, 227
RGB Percent	78%, 73%, 89%
CMY	0.2157, 0.2705, 0.1099
CMYK	0.12, 0.18, 0.00, 0.11
HSL	260°, 42%, 81%
HSV	260°, 18%, 89%
XYZ	55.2385, 52.9432, 79.9604
YIQ	194.8600, -4.8170, 15.7190

Conversions

Conversions Part 2

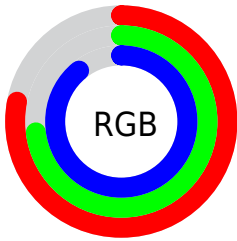
Format	Color
R _Y B	200, 186, 227
Decimal	13155043
CIE Lab	77.84, 12.77, -18.65
CIE LCh	78, 22.598, 304.405
Yxy	52.9432, 0.2936, 0.2814
Android (android.graphics.Color)	4291345123 (0xFFC8BAE3)
YUV	194.8600, 15.8450, 4.5078
Hunter-Lab	72.7621, 8.1776, -14.2221

Details

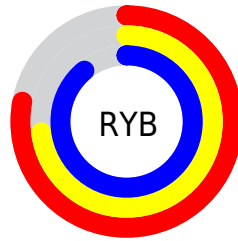
The Yxy color **52.9432, 0.2936, 0.2814** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.6139, 0.3295, 0.3753**, and the grayscale version is **54.3918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **25.8646, 0.2881, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **42.1701, 0.2808, 0.2517**, and if you desaturate by 10%, it is **65.4409, 0.3048, 0.3088**.

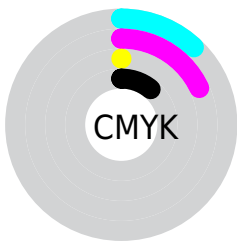
Distribution



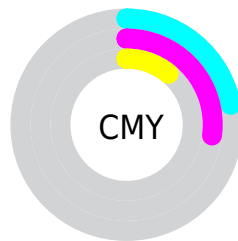
- Red (78%)
- Green (73%)
- Blue (89%)



- Red (78%)
- Yellow (73%)
- Blue (89%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9432, 0.2936, 0.2814 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 52.9432, 0.2936, 0.2814 by changing the saturation by 10% instead.

■ 52.9432, 0.2936,
0.2814

■ 52.9432, 0.2936,
0.2814

■ 398.0672, 0.3031,
0.3040

■ 37.7574, 0.2913,
0.2761

■ 94.5208, 0.2970,
0.2893

■ 25.7945, 0.2883,
0.2695

■ 121.6814, 0.2983,
0.2924

■ 16.6700, 0.2843,
0.2611

■ 153.6024, 0.2994,
0.2950

■ 9.9995, 0.2789,
0.2499

■ 190.6682, 0.3004,
0.2973

■ 5.3986, 0.2711,
0.2344

■ 233.2632, 0.3012,
0.2993

■ 2.4830, 0.2588,
0.2117

■ 281.7717, 0.3019,

■ 0.8681, 0.2372,

0.3010

0.1756

336.5783, 0.3026,
0.3026

0.0000, 0.0748,
0.0000

0.0000, 0.0000,
0.0000

52.9432, 0.2936,
0.2814

52.9432, 0.2936,
0.2814

42.1701, 0.2808,
0.2517

65.4409, 0.3048,
0.3088

33.0378, 0.2664,
0.2204

79.7290, 0.3145,
0.3336

25.4651, 0.2507,
0.1885

95.8777, 0.3227,
0.3559

19.3613, 0.2342,
0.1573

98.3246, 0.3292,
0.3562

■ 14.6257, 0.2177,
0.1289

■ 11.1449, 0.2019,
0.1049

■ 8.7857, 0.1880,
0.0869

■ 7.3635, 0.1764,
0.0753

■ 7.1421, 0.1744,
0.0734

Harmonies

Analogous

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



52.9432, 0.2695, 0.2799



52.9432, 0.2936, 0.2814



52.9432, 0.3240, 0.2942

Triad

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



52.9432, 0.2936, 0.2814



52.9432, 0.3715, 0.3639



52.9432, 0.2737, 0.3419

Complementary

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



52.9432, 0.2936, 0.2814



72.6139, 0.3295, 0.3753

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.



52.9432, 0.2995, 0.3680



52.9432, 0.2936, 0.2814



52.9432, 0.3564, 0.3798

Square

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



52.9432, 0.2936, 0.2814



52.9432, 0.3702, 0.3403



52.9432, 0.3298, 0.3821



52.9432, 0.2584, 0.3132

Rectangle

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



52.9432, 0.2936, 0.2814



52.9432, 0.3438, 0.3075



52.9432, 0.3298, 0.3821



52.9432, 0.2813, 0.3514

Sweetspot

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



52.9454, 0.2936, 0.2814



90.5751, 0.3079, 0.3166



63.7342, 0.2848, 0.3130



19.1136, 0.3072, 0.3148



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.



52.9454, 0.2936, 0.2814



62.9338, 0.2885, 0.2695



55.9055, 0.3094, 0.2836



14.1251, 0.3033, 0.3051



4.2243, 0.1759, 0.0742



0.3620, 0.1919, 0.0831

Inverse Universe

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



56.2526, 0.3256, 0.2991



68.1083, 0.3291, 0.2920



69.7853, 0.3151, 0.3774



14.5272, 0.3190, 0.3136



10.8221, 0.4302, 0.2143



0.8170, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 52.9432, 0.2936, 0.2814 looks on a white background.

Color Contrast Check

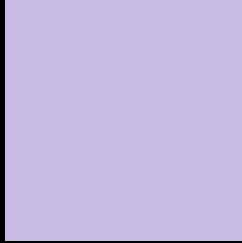
Large Text (above 18pt) WCAG AA × Fail

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 52.9432, 0.2936, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

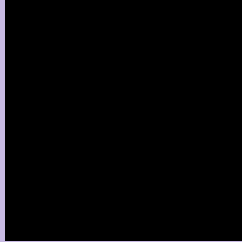
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9432, 0.2936, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 52.9432, 0.2936, 0.2814.



This preview shows how white text looks on a background with the Yxy color 52.9432, 0.2936, 0.2814.

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

52.9432, 0.2936, 0.2814

Protanopia

53.1651, 0.2799, 0.2825

Deuteranopia

53.1146, 0.2898, 0.2832



Tritanopia

52.9705, 0.3063, 0.3109

Trichromacy



Original Color

52.9432, 0.2936, 0.2814

Protanomaly

52.9995, 0.2848, 0.2817

Deuteranomaly

52.9570, 0.2913, 0.2822

Tritanomaly

53.0696, 0.3013, 0.3004

Monochromacy



Original Color

52.9432, 0.2936, 0.2814

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.0746, 0.3056, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9432, 0.2936, 0.2814 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(200, 186, 227)` looks like.

```
.text, #text, p{  
    color:rgb(200, 186, 227)  
}
```

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(200, 186, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 186, 227) }
```

Border

The CSS property to change the border of an element to Yxy 52.9432, 0.2936, 0.2814 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(200, 186, 227) }
```

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

```
.border{ border-color:rgb(200, 186, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 186, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 186, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 186, 227); box-shadow:4px 4px 4px 4px rgb(200, 186, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9432, 0.2936, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 186, 227) }
```

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

```
.background{ background-color: rgb(200,  
186, 227) }
```

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