

Converting Colors

$Y_{xy}(51.3232, 0.2888, 0.2627)$

Have a look what the booklet for
Yxy(51.3232, 0.2888, 0.2627)
contains.

Yxy(51.2506, 0.2888, 0.2621)	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(51.2506, 0.2888, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	CCB3EE
RGB	204, 179, 238
RGB Percent	80%, 70%, 93%
CMY	0.1997, 0.2981, 0.0666
CMYK	0.14, 0.25, 0.00, 0.07
HSL	266°, 63%, 82%
HSV	266°, 25%, 93%
XYZ	56.4715, 51.2506, 87.8163
YIQ	193.2010, -4.0390, 23.6490

Conversions

Conversions Part 2

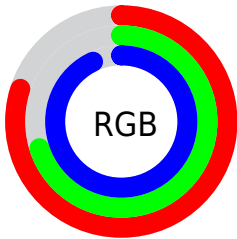
Format	Color
R_{YB}	204, 179, 238
Decimal	13415406
CIE _{Lab}	76.83, 20.21, -26.11
CIE _{LCh}	77, 33.020, 307.734
Yxy	51.2506, 0.2888, 0.2621
Android (android.graphics.Color)	4291605486 (0xFFCCB3EE)
YUV	193.2010, 22.0859, 9.4707
Hunter-Lab	71.5895, 15.5233, -22.6162

Details

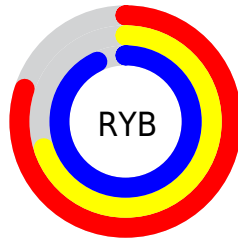
The Yxy color **51.2506, 0.2888, 0.2621** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5454, 0.3323, 0.3947**, and the grayscale version is **53.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **24.6887, 0.2815, 0.2456** is the 20% darker color. If you saturate the color by 10%, you get **40.6727, 0.2766, 0.2319**, and if you desaturate by 10%, it is **63.6491, 0.2995, 0.2907**.

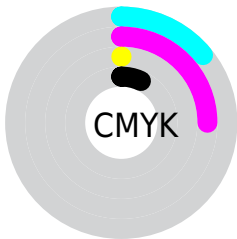
Distribution



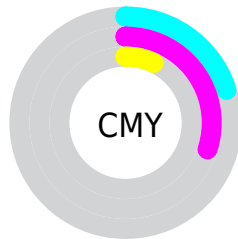
- Red (80%)
- Green (70%)
- Blue (93%)



- Red (80%)
- Yellow (70%)
- Blue (93%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)





- Cyan (20%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2506, 0.2888, 0.2621 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 51.2506, 0.2888, 0.2621 by changing the saturation by 10% instead.

 51.2506, 0.2888,
0.2621

 51.2506, 0.2888,
0.2621


391.5366, 0.3009,
0.2934

 36.4081, 0.2858,
0.2549


 92.0251, 0.2932,
0.2730

 24.7495, 0.2819,
0.2460


118.7259, 0.2949,
0.2773

 15.8905, 0.2768,
0.2347


150.1482, 0.2963,
0.2809

 9.4467, 0.2698,
0.2200

186.6764, 0.2975,
0.2841

 5.0337, 0.2597,
0.2001

228.6950, 0.2985,
0.2868

 2.2670, 0.2439,
0.1719

276.5883, 0.2994,

 0.7562, 0.2171,

0.2893

0.1294

330.7407, 0.3002,
0.2915

0.0000, 0.0947,
0.0000

0.0000, 0.0000,
0.0000

51.2506, 0.2888,
0.2621

51.2506, 0.2888,
0.2621

40.6727, 0.2766,
0.2319

63.6491, 0.2995,
0.2907

31.8202, 0.2632,
0.2010

77.9446, 0.3088,
0.3171

24.5986, 0.2487,
0.1706

94.2167, 0.3167,
0.3412

18.9012, 0.2337,
0.1423

98.9540, 0.3226,
0.3454

■ 14.6086, 0.2189,
0.1178

■ 11.5822, 0.2050,
0.0985

■ 9.6529, 0.1927,
0.0854

■ 8.9518, 0.1871,
0.0804

Harmonies

Analogous

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



51.2506, 0.2529, 0.2574



51.2506, 0.2888, 0.2621



51.2506, 0.3339, 0.2817

Triad

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



51.2506, 0.2888, 0.2621



51.2506, 0.3980, 0.3818



51.2506, 0.2522, 0.3427

Complementary

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



51.2506, 0.2888, 0.2621



78.5454, 0.3323, 0.3947

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.



51.2506, 0.2878, 0.3843



51.2506, 0.2888, 0.2621



51.2506, 0.3725, 0.4053

Square

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



51.2506, 0.2888, 0.2621



51.2506, 0.3996, 0.3478



51.2506, 0.3319, 0.4079



51.2506, 0.2330, 0.3001

Rectangle

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



51.2506, 0.2888, 0.2621



51.2506, 0.3630, 0.3011



51.2506, 0.3319, 0.4079



51.2506, 0.2625, 0.3576

Sweetspot

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



51.2527, 0.2888, 0.2621



87.2408, 0.3068, 0.3115



63.5528, 0.2737, 0.3004



18.4491, 0.3063, 0.3099



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.



51.2527, 0.2888, 0.2621



53.1126, 0.2825, 0.2462



55.7443, 0.3117, 0.2665



15.5572, 0.3046, 0.3051



5.0661, 0.1887, 0.0813



0.4789, 0.2033, 0.0894

Inverse Universe

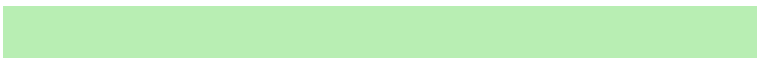
The Inverse Universe completely reimagines the original color for something new.



55.2102, 0.3357, 0.2924



58.5996, 0.3420, 0.2843



74.5895, 0.3126, 0.3989



15.9112, 0.3203, 0.3155



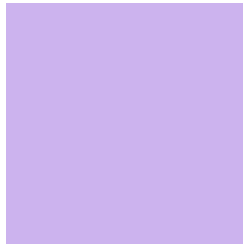
11.1721, 0.4643, 0.2332



0.9493, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 51.2506, 0.2888, 0.2621 looks on a white background.

Color Contrast Check

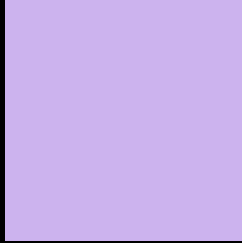
Large Text (above 18pt) WCAG AA × Fail

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 51.2506, 0.2888, 0.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

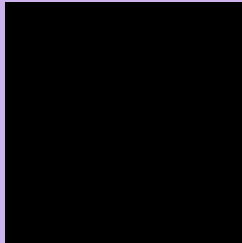
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2506, 0.2888, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 51.2506, 0.2888, 0.2621.

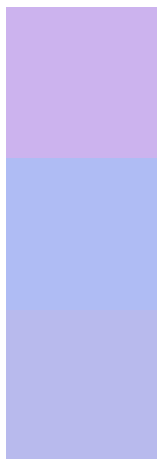


This preview shows how white text looks on a background with the Yxy color 51.2506, 0.2888, 0.2621.

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

51.2506, 0.2888, 0.2621

Protanopia

51.6121, 0.2647, 0.2628

Deuteranopia

51.4226, 0.2750, 0.2688



Tritanopia

51.3406, 0.3111, 0.3108

Trichromacy



Original Color

51.2506, 0.2888, 0.2621

Protanomaly

51.5478, 0.2732, 0.2626

Deuteranomaly

51.0578, 0.2798, 0.2661

Tritanomaly

51.0014, 0.3030, 0.2922

Monochromacy



Original Color

51.2506, 0.2888, 0.2621

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.4402, 0.3042, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2506, 0.2888, 0.2621 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, 179, 238)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 238)  
}
```

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, 179, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 238) }
```

Border

The CSS property to change the border of an element to Yxy 51.2506, 0.2888, 0.2621 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, 179, 238) }
```

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

```
.border{ border-color:rgb(204, 179, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 238);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2506, 0.2888, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 238) }
```

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

```
.background{ background-color: rgb(204,  
179, 238) }
```

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