

Converting Colors

$Yxy(46.6688, 0.2927, 0.2555)$

Have a look what the booklet for
Yxy(46.6688, 0.2927, 0.2555)
contains.

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Color

Yxy(46.6688, 0.2927, 0.2555)

Conversions

Conversions Part 1

Format	Color
Hex	CCA8E8
RGB	204, 168, 232
RGB Percent	80%, 66%, 91%
CMY	0.2001, 0.3411, 0.0902
CMYK	0.12, 0.28, 0.00, 0.09
HSL	274°, 58%, 78%
HSV	274°, 28%, 91%
XYZ	53.4636, 46.6688, 82.5243
YIQ	186.0600, 0.9120, 27.5360

Conversions

Conversions Part 2

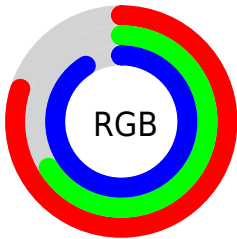
Format	Color
R_{YB}	204, 168, 232
Decimal	13412584
CIE _{Lab}	73.98, 24.91, -27.22
CIE _{LCh}	74, 36.892, 312.463
Yxy	46.6688, 0.2927, 0.2555
Android (android.graphics.Color)	4291602664 (0xFFCCA8E8)
YUV	186.0600, 22.6484, 15.7334
Hunter-Lab	68.3146, 20.1453, -23.8024

Details

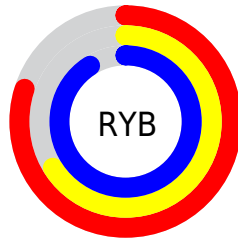
The Yxy color $46.6688, 0.2927, 0.2555$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $72.2732, 0.3281, 0.4040$, and the grayscale version is $49.0086, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $22.0149, 0.2865, 0.2382$ is the 20% darker color. If you saturate the color by 10%, you get $37.4660, 0.2833, 0.2265$, and if you desaturate by 10%, it is $57.4971, 0.3010, 0.2836$.

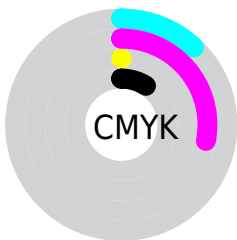
Distribution



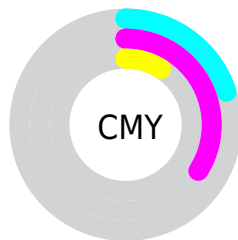
- Red (80%)
- Green (66%)
- Blue (91%)



- Red (80%)
- Yellow (66%)
- Blue (91%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)





- Cyan (20%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6688, 0.2927, 0.2555 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 46.6688, 0.2927, 0.2555 by changing the saturation by 10% instead.


 46.6688, 0.2927,
0.2555

 46.6688, 0.2927,
0.2555


373.4910, 0.3032,
0.2902

 32.7739, 0.2900,
0.2475

 85.2190, 0.2966,
0.2676

 21.9533, 0.2864,
0.2375


 110.6432, 0.2981,
0.2723

 13.8226, 0.2816,
0.2249


140.6792, 0.2993,
0.2763

 7.9974, 0.2749,
0.2083

175.7114, 0.3003,
0.2798

 4.0933, 0.2649,
0.1859

216.1243, 0.3012,
0.2829

 1.7259, 0.2487,
0.1542

262.3023, 0.3020,

 0.4403, 0.2227,

0.2856

0.0943

314.6297, 0.3026,
0.2880

0.0000, 0.0000,
0.0000

46.6688, 0.2927,
0.2555

46.6688, 0.2927,
0.2555

37.4660, 0.2833,
0.2265

57.4971, 0.3010,
0.2836

29.7998, 0.2728,
0.1975

70.0221, 0.3081,
0.3102

23.5816, 0.2615,
0.1698

84.3175, 0.3141,
0.3348

18.7110, 0.2497,
0.1448

96.6875, 0.3195,
0.3517

15.0744, 0.2379,
0.1238

98.5609, 0.3260,
0.3513

■ 12.5383, 0.2265,
0.1079

■ 98.6055, 0.3262,
0.3513

■ 10.9242, 0.2161,
0.0972

■ 10.6042, 0.2136,
0.0951

Harmonies

Analogous

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



46.6688, 0.2496, 0.2471



46.6688, 0.2927, 0.2555



46.6688, 0.3451, 0.2799

Triad

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



46.6688, 0.2927, 0.2555



46.6688, 0.4076, 0.3940



46.6688, 0.2385, 0.3362

Complementary

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



46.6688, 0.2927, 0.2555



72.2732, 0.3281, 0.4040

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.



46.6688, 0.2764, 0.3867



46.6688, 0.2927, 0.2555



46.6688, 0.3743, 0.4191

Square

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



46.6688, 0.2927, 0.2555



46.6688, 0.4147, 0.3560



46.6688, 0.3260, 0.4185



46.6688, 0.2204, 0.2885

Rectangle

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



46.6688, 0.2927, 0.2555



46.6688, 0.3778, 0.3027



46.6688, 0.3260, 0.4185



46.6688, 0.2492, 0.3537

Sweetspot

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



46.6708, 0.2927, 0.2555



86.0130, 0.3078, 0.3090



53.9951, 0.2683, 0.2861



17.8815, 0.3067, 0.3051



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.



46.6708, 0.2927, 0.2555



51.2187, 0.2876, 0.2393



50.8101, 0.3185, 0.2636



14.2848, 0.3068, 0.3053



5.9636, 0.2152, 0.0959



0.4954, 0.2300, 0.1041

Inverse Universe

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



49.1514, 0.3467, 0.2977



54.8682, 0.3560, 0.2910



68.9814, 0.3071, 0.4045



14.4723, 0.3224, 0.3188



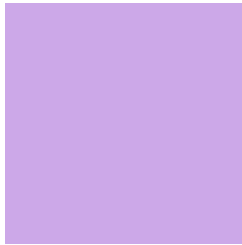
10.0765, 0.5216, 0.2647



0.7630, 0.4851, 0.2446

Previews

White Background



This preview shows how the Yxy color 46.6688, 0.2927, 0.2555 looks on a white background.

Color Contrast Check

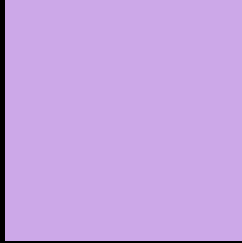
Large Text (above 18pt) WCAG AA × Fail

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 46.6688, 0.2927, 0.2555 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 46.6688, 0.2927, 0.2555

Background



This preview shows how black text looks on a background with the Yxy color 46.6688, 0.2927, 0.2555.



This preview shows how white text looks on a background with the Yxy color 46.6688, 0.2927, 0.2555.

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

46.6688, 0.2927, 0.2555

Protanopia

46.9927, 0.2586, 0.2547

Deuteranopia

47.0673, 0.2723, 0.2666



Tritanopia

46.6387, 0.3197, 0.3116

Trichromacy



Original Color

46.6688, 0.2927, 0.2555

Protanomaly

46.8074, 0.2698, 0.2548

Deuteranomaly

46.8686, 0.2795, 0.2620

Tritanomaly

46.5743, 0.3102, 0.2902

Monochromacy



Original Color

46.6688, 0.2927, 0.2555

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8895, 0.3057, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6688, 0.2927, 0.2555 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, 168, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 232)  
}
```

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, 168, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 232) }
```

Border

The CSS property to change the border of an element to Yxy 46.6688, 0.2927, 0.2555 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, 168, 232) }
```

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

```
.border{ border-color:rgb(204, 168, 232) }
```

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

Here you see how a box with a 4 pixel rgb(204, 168, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 168, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 168, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 168,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6688, 0.2927, 0.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 232) }
```

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

```
.background{ background-color: rgb(204,  
168, 232) }
```

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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