

Converting Colors

$Y_{xy}(45.7514, 0.3050, 0.2551)$

Have a look what the booklet for
Yxy(45.7514, 0.3050, 0.2551)
contains.

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Color

Yxy(45.6829, 0.3049, 0.2555)

Conversions

Conversions Part 1

Format	Color
Hex	D6A2E3
RGB	214, 162, 227
RGB Percent	84%, 64%, 89%
CMY	0.1608, 0.3647, 0.1099
CMYK	0.06, 0.29, 0.00, 0.11
HSL	288°, 54%, 76%
HSV	288°, 29%, 89%
XYZ	54.5155, 45.6829, 78.5996
YIQ	184.9580, 10.1270, 31.2390

Conversions

Conversions Part 2

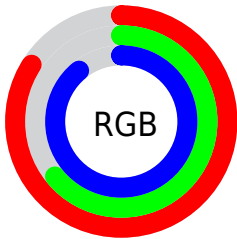
Format	Color
R_{YB}	214, 162, 227
Decimal	14066403
CIE _{Lab}	73.34, 30.35, -25.38
CIE _{LCh}	73, 39.559, 320.095
Yxy	45.6829, 0.3049, 0.2555
Android (android.graphics.Color)	4292256483 (0xFFD6A2E3)
YUV	184.9580, 20.7267, 25.4698
Hunter-Lab	67.5891, 25.6922, -21.6361

Details

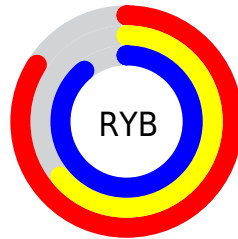
The Yxy color **45.6829, 0.3049, 0.2555** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.6452, 0.3176, 0.4098**, and the grayscale version is **48.3708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **21.4631, 0.3028, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **37.7244, 0.3011, 0.2292**, and if you desaturate by 10%, it is **55.1074, 0.3081, 0.2820**.

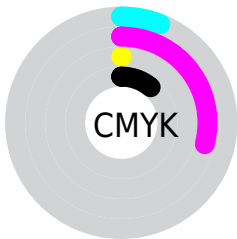
Distribution



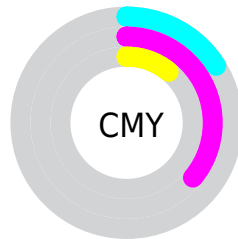
- Red (84%)
- Green (64%)
- Blue (89%)



- Red (84%)
- Yellow (64%)
- Blue (89%)



- Cyan (6%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)





- Cyan (16%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6829, 0.3049, 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 45.6829, 0.3049, 0.2555 by changing the saturation by 10% instead.


 45.6829, 0.3049,
0.2555

 45.6829, 0.3049,
0.2555


369.5323, 0.3096,
0.2902

 31.9957, 0.3036,
0.2475


 83.7442, 0.3067,
0.2676

 21.3582, 0.3017,
0.2375

 108.8871, 0.3074,
0.2723

 13.3861, 0.2992,
0.2249


138.6173, 0.3079,
0.2763

 7.6949, 0.2954,
0.2083

173.3193, 0.3084,
0.2798

 3.9004, 0.2893,
0.1858

213.3774, 0.3087,
0.2829

 1.6180, 0.2788,
0.1539

259.1760, 0.3090,

 0.3697, 0.2634,

0.2856

0.0871

311.0995, 0.3093,
0.2880

0.0000, 0.0395,
0.0000

0.0000, 0.0000,
0.0000

45.6829, 0.3049,
0.2555

45.6829, 0.3049,
0.2555

37.7244, 0.3011,
0.2292

55.1074, 0.3081,
0.2820

31.1483, 0.2968,
0.2039


66.0641, 0.3108,
0.3077


25.8713, 0.2920,
0.1808


78.6222, 0.3130,
0.3323

21.7989, 0.2869,
0.1609


92.8447, 0.3147,
0.3553

 18.8235, 0.2815,
0.1451


 95.0110, 0.3174,
0.3572

 16.8180, 0.2762,
0.1339


 95.7993, 0.3203,
0.3570

 15.5932, 0.2709,
0.1270

 96.6075, 0.3232,
0.3567

 15.4495, 0.2702,
0.1262

 97.4356, 0.3261,
0.3565

 98.2839, 0.3290,
0.3562

Harmonies

Analogous

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



45.6829, 0.2550, 0.2417



45.6829, 0.3049, 0.2555



45.6829, 0.3617, 0.2850

Triad

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



45.6829, 0.3049, 0.2555



45.6829, 0.4079, 0.4072



45.6829, 0.2258, 0.3221

Complementary

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



45.6829, 0.3049, 0.2555



66.6452, 0.3176, 0.4098

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.



45.6829, 0.2613, 0.3787



45.6829, 0.3049, 0.2555



45.6829, 0.3664, 0.4294

Square

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



45.6829, 0.3049, 0.2555



45.6829, 0.4240, 0.3684



45.6829, 0.3125, 0.4206



45.6829, 0.2127, 0.2746

Rectangle

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



45.6829, 0.3049, 0.2555



45.6829, 0.3944, 0.3108



45.6829, 0.3125, 0.4206



45.6829, 0.2354, 0.3410

Sweetspot

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



45.6849, 0.3049, 0.2555



85.3628, 0.3107, 0.3066



43.8868, 0.2644, 0.2631



17.7994, 0.3103, 0.3029



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.



45.6849, 0.3049, 0.2555



53.4603, 0.3029, 0.2407



46.6987, 0.3328, 0.2779



14.4623, 0.3106, 0.3056



9.0624, 0.2710, 0.1266



0.7067, 0.2786, 0.1309

Inverse Universe

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



45.2641, 0.3631, 0.3141



52.9046, 0.3770, 0.3110



65.9639, 0.2972, 0.3863



14.4148, 0.3261, 0.3243



9.6494, 0.6071, 0.3118



0.7261, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 45.6829, 0.3049, 0.2555 looks on a white background.

Color Contrast Check

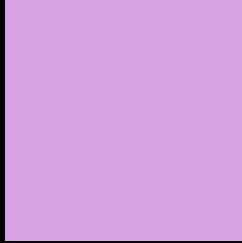
Large Text (above 18pt) WCAG AA × Fail

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 45.6829, 0.3049, 0.2555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

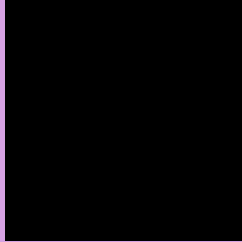
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6829, 0.3049, 0.2555

Background



This preview shows how black text looks on a background with the Yxy color 45.6829, 0.3049, 0.2555.



This preview shows how white text looks on a background with the Yxy color 45.6829, 0.3049, 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

45.6829, 0.3049, 0.2555

Protanopia

45.9653, 0.2588, 0.2542

Deuteranopia

46.0562, 0.2768, 0.2708



Tritanopia

45.6200, 0.3354, 0.3120

Trichromacy



Original Color

45.6829, 0.3049, 0.2555

Protanomaly

45.4483, 0.2735, 0.2535

Deuteranomaly

45.8884, 0.2867, 0.2653

Tritanomaly

45.5092, 0.3235, 0.2897

Monochromacy



Original Color

45.6829, 0.3049, 0.2555

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.3502, 0.3106, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6829, 0.3049, 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(214, 162, 227)` looks like.

```
.text, #text, p{  
    color:rgb(214, 162, 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(214, 162, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 162, 227) }
```

Border

The CSS property to change the border of an element to Yxy 45.6829, 0.3049, 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(214, 162, 227) }
```

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

```
.border{ border-color:rgb(214, 162, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 162, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 162, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 162, 227);  
box-shadow:4px 4px 4px 4px rgb(214, 162,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6829, 0.3049, 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(214, 162, 227) }
```

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

```
.background{ background-color: rgb(214,  
162, 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](#).

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