

Converting Colors

$Y_{xy}(47.2603, 0.3037, 0.2596)$

Have a look what the booklet for
Yxy(47.2603, 0.3037, 0.2596)
contains.

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Color

Yxy(47.0200, 0.3032, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	D5A6E4
RGB	213, 166, 228
RGB Percent	84%, 65%, 89%
CMY	0.1646, 0.3490, 0.1058
CMYK	0.07, 0.27, 0.00, 0.11
HSL	286°, 53%, 77%
HSV	286°, 27%, 89%
XYZ	55.0868, 47.0200, 79.5779
YIQ	187.1210, 8.1100, 29.2460

Conversions

Conversions Part 2

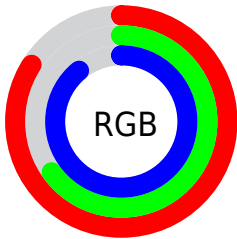
Format	Color
R _{YB}	213, 166, 228
Decimal	14001892
CIE Lab	74.20, 28.07, -24.63
CIE LCh	74, 37.346, 318.735
Yxy	47.0200, 0.3032, 0.2588
Android (android.graphics.Color)	4292191972 (0xFFD5A6E4)
YUV	187.1210, 20.1533, 22.6959
Hunter-Lab	68.5711, 23.3990, -20.8072

Details

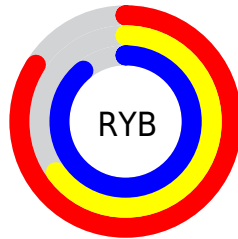
The Yxy color $47.0200, 0.3032, 0.2588$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $68.0662, 0.3193, 0.4048$, and the grayscale version is $49.6488, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $22.2823, 0.3005, 0.2429$ is the 20% darker color. If you saturate the color by 10%, you get $38.6447, 0.2985, 0.2319$, and if you desaturate by 10%, it is $56.8967, 0.3073, 0.2855$.

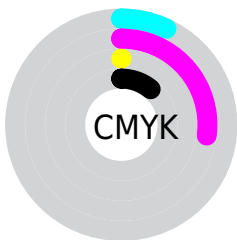
Distribution



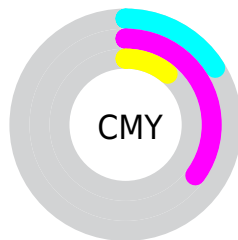
- Red (84%)
- Green (65%)
- Blue (89%)



- Red (84%)
- Yellow (65%)
- Blue (89%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)




- Cyan (16%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0200, 0.3032, 0.2588 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 47.0200, 0.3032, 0.2588 by changing the saturation by 10% instead.


 47.0200, 0.3032,
0.2588

 47.0200, 0.3032,
0.2588


374.8944, 0.3086,
0.2919

 33.0515, 0.3017,
0.2511


 85.7435, 0.3053,
0.2704

 22.1659, 0.2997,
0.2416


 111.2672, 0.3060,
0.2748

 13.9788, 0.2969,
0.2296


141.4115, 0.3066,
0.2787

 8.1059, 0.2929,
0.2137

176.5606, 0.3072,
0.2820

 4.1628, 0.2867,
0.1922

217.0991, 0.3076,
0.2849

 1.7651, 0.2760,
0.1616

263.4113, 0.3080,

 0.4652, 0.2587,

0.2875

0.1037

315.8816, 0.3083,
0.2898

0.0000, 0.0684,
0.0000

0.0000, 0.0000,
0.0000

47.0200, 0.3032,
0.2588

47.0200, 0.3032,
0.2588

38.6447, 0.2985,
0.2319

56.8967, 0.3073,
0.2855

31.6870, 0.2931,
0.2058

68.3411, 0.3106,
0.3113

26.0638, 0.2872,
0.1816

81.4225, 0.3134,
0.3357

21.6809, 0.2809,
0.1603

94.7947, 0.3158,
0.3562

■ 18.4314, 0.2743,
0.1430

■ 95.7473, 0.3193,
0.3559

■ 16.1901, 0.2678,
0.1303

■ 96.7292, 0.3228,
0.3557

■ 14.7929, 0.2614,
0.1222

■ 97.7406, 0.3264,
0.3554

■ 14.4775, 0.2596,
0.1204

■ 98.3820, 0.3286,
0.3552

Harmonies

Analogous

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



47.0200, 0.2568, 0.2466



47.0200, 0.3032, 0.2588



47.0200, 0.3563, 0.2862

Triad

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



47.0200, 0.3032, 0.2588



47.0200, 0.4034, 0.4014



47.0200, 0.2322, 0.3252

Complementary

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



47.0200, 0.3032, 0.2588



68.0662, 0.3193, 0.4048

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.



47.0200, 0.2667, 0.3775



47.0200, 0.3032, 0.2588



47.0200, 0.3655, 0.4224

Square

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



47.0200, 0.3032, 0.2588



47.0200, 0.4168, 0.3647



47.0200, 0.3152, 0.4152



47.0200, 0.2186, 0.2799

Rectangle

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



47.0200, 0.3032, 0.2588



47.0200, 0.3873, 0.3104



47.0200, 0.3152, 0.4152



47.0200, 0.2416, 0.3428

Sweetspot

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



47.0220, 0.3032, 0.2588



86.7450, 0.3104, 0.3091



46.9586, 0.2674, 0.2709



18.0663, 0.3099, 0.3053



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.



47.0220, 0.3032, 0.2588



53.8951, 0.3004, 0.2426



48.5446, 0.3289, 0.2773



14.4306, 0.3099, 0.3056



8.4165, 0.2606, 0.1209



0.6641, 0.2698, 0.1260

Inverse Universe

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



47.1007, 0.3574, 0.3119



54.0987, 0.3711, 0.3079



66.9553, 0.2998, 0.3870



14.4248, 0.3255, 0.3233



9.6996, 0.5950, 0.3052



0.7311, 0.5538, 0.2825

Previews

White Background



This preview shows how the Yxy color 47.0200, 0.3032, 0.2588 looks on a white background.

Color Contrast Check

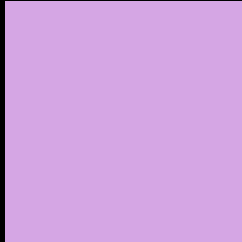
Large Text (above 18pt) WCAG AA × Fail

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 47.0200, 0.3032, 0.2588 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 47.0200, 0.3032, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 47.0200, 0.3032, 0.2588.



This preview shows how white text looks on a background with the Yxy color 47.0200, 0.3032, 0.2588.

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

47.0200, 0.3032, 0.2588

Protanopia

47.4952, 0.2613, 0.2584

Deuteranopia

47.3149, 0.2779, 0.2715



Tritanopia

47.1254, 0.3313, 0.3132

Trichromacy



Original Color

47.0200, 0.3032, 0.2588

Protanomaly

47.2392, 0.2754, 0.2587

Deuteranomaly

46.8945, 0.2861, 0.2658

Tritanomaly

46.9454, 0.3206, 0.2922

Monochromacy



Original Color

47.0200, 0.3032, 0.2588

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.2402, 0.3090, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0200, 0.3032, 0.2588 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(213, 166, 228)` looks like.

```
.text, #text, p{  
    color:rgb(213, 166, 228)  
}
```

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(213, 166, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 166, 228) }
```

Border

The CSS property to change the border of an element to Yxy 47.0200, 0.3032, 0.2588 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(213, 166, 228) }
```

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

```
.border{ border-color:rgb(213, 166, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 166, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 166, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 166, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 166,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0200, 0.3032, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 166, 228) }
```

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

```
.background{ background-color: rgb(213,  
166, 228) }
```

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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