

Converting Colors

$Y_{xy}(37.5508, 0.3485, 0.2891)$

Have a look what the booklet for
Yxy(37.5508, 0.3485, 0.2891)
contains.

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Color

Yxy(37.7692, 0.3491, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	D492B2
RGB	212, 146, 178
RGB Percent	83%, 57%, 70%
CMY	0.1686, 0.4274, 0.3020
CMYK	0.00, 0.31, 0.16, 0.17
HSL	331°, 43%, 70%
HSV	331°, 31%, 83%
XYZ	45.4663, 37.7692, 47.0031
YIQ	169.3820, 29.0640, 23.9440

Conversions

Conversions Part 2

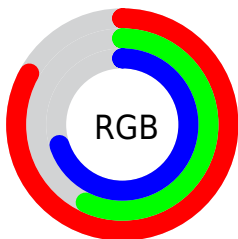
Format	Color
R _Y B	212, 146, 178
Decimal	13931186
CIE Lab	67.85, 29.62, -6.58
CIE LCh	68, 30.339, 347.465
Yxy	37.7692, 0.3491, 0.2900
Android (android.graphics.Color)	4292121266 (0xFFD492B2)
YUV	169.3820, 4.2487, 37.3760
Hunter-Lab	61.4567, 24.5071, -2.3264

Details

The Yxy color $37.7692, 0.3491, 0.2900$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $56.4992, 0.2872, 0.3718$, and the grayscale version is $39.8437, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.9738, 0.3303, 0.2960$, and $16.5540, 0.3603, 0.2785$ is the 20% darker color. If you saturate the color by 10%, you get $31.4077, 0.3657, 0.2772$, and if you desaturate by 10%, it is $45.3811, 0.3351, 0.3030$.

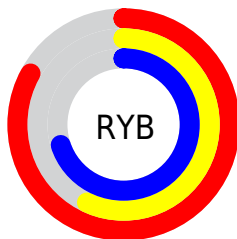
Distribution



Red (83%)

Green (57%)

Blue (70%)



Red (83%)

Yellow (57%)

Blue (70%)

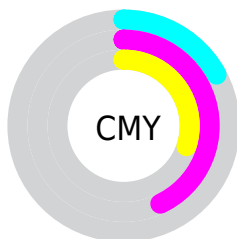


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (17%)



Cyan (17%)


Magenta (43%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7692, 0.3491, 0.2900 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 37.7692, 0.3491, 0.2900 by changing the saturation by 10% instead.


 37.7692, 0.3491,
0.2900

 37.7692, 0.3491,
0.2900


336.6289, 0.3306,
0.3096

 25.8036, 0.3538,
0.2851


 71.7542, 0.3423,
0.2971

 16.6768, 0.3600,
0.2787


 94.5425, 0.3397,
0.2998

 10.0043, 0.3683,
0.2703


121.7071, 0.3376,
0.3021

 5.4018, 0.3801,
0.2584

153.6324, 0.3358,
0.3040

 2.4849, 0.3982,
0.2407

190.7028, 0.3342,
0.3057

 0.8691, 0.4293,
0.2113

233.3028, 0.3328,

 0.0000, 0.7117,

0.3072

0.0000

281.8167, 0.3316,
0.3085

0.0000, 0.0000,
0.0000

37.7692, 0.3491,
0.2900

37.7692, 0.3491,
0.2900

31.4077, 0.3657,
0.2772

45.3811, 0.3351,
0.3030

26.2235, 0.3851,
0.2653

54.3010, 0.3234,
0.3157

22.1439, 0.4072,
0.2553


64.5891, 0.3137,
0.3277

19.0859, 0.4315,
0.2484


76.3003, 0.3057,
0.3389

16.9543, 0.4572,
0.2460

89.4864, 0.2991,
0.3493

 15.6362, 0.4827,
0.2489

 92.0232, 0.2932,
0.3408

 14.9718, 0.5045,
0.2553

 92.7054, 0.2874,
0.3294

 92.7383, 0.2872,
0.3289

Harmonies

Analogous

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



37.7692, 0.3027, 0.2660



37.7692, 0.3491, 0.2900



37.7692, 0.3871, 0.3233

Triad

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



37.7692, 0.3491, 0.2900



37.7692, 0.3612, 0.4103



37.7692, 0.2296, 0.2879

Complementary

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



37.7692, 0.3491, 0.2900



56.4992, 0.2872, 0.3718

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.



37.7692, 0.2428, 0.3281



37.7692, 0.3491, 0.2900



37.7692, 0.3174, 0.4044

Square

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



37.7692, 0.3491, 0.2900



37.7692, 0.3934, 0.3920



37.7692, 0.2742, 0.3728



37.7692, 0.2365, 0.2629

Rectangle

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



37.7692, 0.3491, 0.2900



37.7692, 0.4010, 0.3477



37.7692, 0.2742, 0.3728



37.7692, 0.2318, 0.2999

Sweetspot

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



37.7709, 0.3491, 0.2900



85.4826, 0.3213, 0.3182



34.8974, 0.2859, 0.2448



17.8297, 0.3228, 0.3164



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.



37.7709, 0.3491, 0.2900



51.1013, 0.3592, 0.2819



36.6328, 0.3830, 0.3292



12.5201, 0.3216, 0.3178



9.2621, 0.5013, 0.2535



0.5753, 0.4619, 0.2318

Inverse Universe

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



37.7709, 0.3491, 0.2900



51.1013, 0.3592, 0.2819



57.9566, 0.2683, 0.3289



12.5201, 0.3216, 0.3178



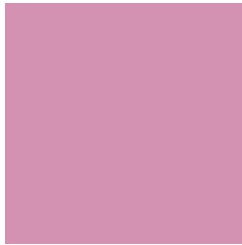
9.2621, 0.5013, 0.2535



0.5753, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 37.7692, 0.3491, 0.2900 looks on a white background.

Color Contrast Check

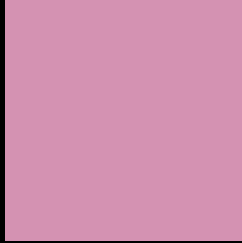
Large Text (above 18pt) WCAG AA × Fail

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 37.7692, 0.3491, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

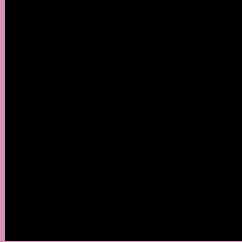
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7692, 0.3491, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 37.7692, 0.3491, 0.2900.



This preview shows how white text looks on a background with the Yxy color 37.7692, 0.3491, 0.2900.

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

37.7692, 0.3491, 0.2900

Protanopia

37.8457, 0.2885, 0.2930

Deuteranopia

37.9320, 0.3155, 0.3099



Tritanopia

37.7346, 0.3650, 0.3154

Trichromacy



Original Color

37.7692, 0.3491, 0.2900

Protanomaly

37.3624, 0.3089, 0.2904

Deuteranomaly

37.8587, 0.3276, 0.3028

Tritanomaly

37.8187, 0.3590, 0.3056

Monochromacy



Original Color

37.7692, 0.3491, 0.2900

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.7826, 0.3258, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7692, 0.3491, 0.2900 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(212, 146, 178)` looks like.

```
.text, #text, p{  
    color:rgb(212, 146, 178)  
}
```

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(212, 146, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 146, 178) }
```

Border

The CSS property to change the border of an element to Yxy 37.7692, 0.3491, 0.2900 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(212, 146, 178) }
```

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

```
.border{ border-color:rgb(212, 146, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 146, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 146, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 146, 178);  
box-shadow:4px 4px 4px 4px rgb(212, 146,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7692, 0.3491, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 146, 178) }
```

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

```
.background{ background-color: rgb(212,  
146, 178) }
```

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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