Converting Colors

Yxy(29.9542, 0.3535, 0.2774)

Have a look what the booklet for Yxy(29.9542, 0.3535, 0.2774) contains.

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Color

Yxy(29.9542, 0.3535, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	C87EA6
RGB	200, 126, 166
RGB Percent	78%, 49%, 65%
CMY	0.2155, 0.5059, 0.3489
CMYK	0.00, 0.37, 0.17, 0.22
HSL	328°, 40%, 64%
HSV	328°, 37%, 78%
XYZ	38.1716, 29.9542, 39.8561
YIQ	152.6860, 31.2640, 28.1280

Conversions

Conversions Part 2

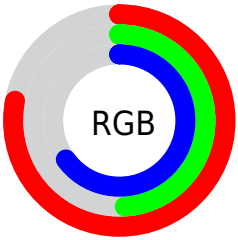
Format	Color
RYB	200, 126, 166
Decimal	13139622
CIELab	61.61, 34.35, -9.25
CIELCh	62, 35.574, 344.930
Yxy	29.9542, 0.3535, 0.2774
Android (android.graphics.Color)	4291329702 (0xFFC87EA6)
YUV	152.6860, 6.5638, 41.4944
Hunter-Lab	54.7304, 28.7162, -4.8652

Details

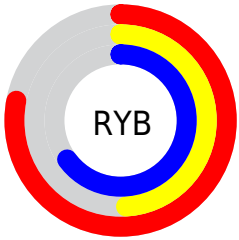
The Yxy color 29.9542, 0.3535, 0.2774 is a light color, and the websafe version is hex CC6699. A complement of this color would be 48.2974, 0.2858, 0.3876, and the grayscale version is 31.6733, 0.3127, 0.3290.

A 20% lighter version of the original color is 59.1230, 0.3431, 0.2872, and 12.2668, 0.3676, 0.2617 is the 20% darker color. If you saturate the color by 10%, you get 25.0167, 0.3695, 0.2637, and if you desaturate by 10%, it is 35.9413, 0.3398, 0.2917.

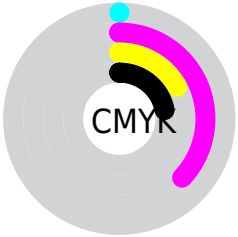
Distribution



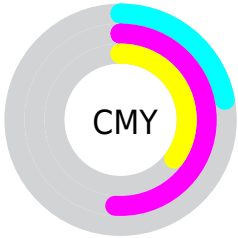
- Red (78%)
- Green (49%)
- Blue (65%)



- Red (78%)
- Yellow (49%)
- Blue (65%)



- Cyan (0%)
- Magenta (37%)
- Yellow (17%)
- Black (22%)



- Cyan (22%)
- Magenta (51%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9542, 0.3535, 0.2774 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 29.9542, 0.3535, 0.2774 by changing the saturation by 10% instead.

29.9542, 0.3535, 0.2774

29.9542, 0.3535, 0.2774

301.6909, 0.3322, 0.3040

19.8038, 0.3591, 0.2705

59.5897, 0.3455, 0.2873

12.2525, 0.3666, 0.2615

79.8437, 0.3426, 0.2909

6.9159, 0.3769, 0.2493

104.2343, 0.3401, 0.2940

3.4096, 0.3919, 0.2317

133.1460, 0.3381, 0.2966

1.3491, 0.4160, 0.2046

166.9631, 0.3363, 0.2988

0.1788, 0.4999, 0.0876

206.0700, 0.3347,

0.0000, 0.0000,

0.3008

0.0000

250.8511, 0.3334, 0.3025

29.9542, 0.3535, 0.2774

29.9542, 0.3535, 0.2774

25.0167, 0.3695, 0.2637

35.9413, 0.3398, 0.2917

21.0629, 0.3877, 0.2515

43.0305, 0.3282, 0.3060

18.0257, 0.4079, 0.2419

51.2759, 0.3185, 0.3198

15.8280, 0.4295, 0.2362

60.7266, 0.3105, 0.3328

14.3795, 0.4517, 0.2354

71.4290, 0.3038, 0.3450

13.5590, 0.4733, 0.2399

13.3703, 0.4798, 0.2417

83.4270, 0.2983, 0.3562

89.5365, 0.2934, 0.3554

90.0674, 0.2885, 0.3453

90.6260, 0.2837, 0.3355

Harmonies

Analogous

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

29.9542, 0.2947, 0.2495

29.9542, 0.3535, 0.2774

29.9542, 0.4040, 0.3170

Triad

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

29.9542, 0.3535, 0.2774

29.9542, 0.3767, 0.4308

29.9542, 0.2102, 0.2796

Complementary

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

29.9542, 0.3535, 0.2774

48.2974, 0.2858, 0.3876

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.

29.9542, 0.2277, 0.3317

29.9542, 0.3535, 0.2774

29.9542, 0.3221, 0.4284

Square

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

29.9542, 0.3535, 0.2774

29.9542, 0.4162, 0.4034

29.9542, 0.2677, 0.3899

29.9542, 0.2166, 0.2478

Rectangle

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

29.9542, 0.3535, 0.2774

29.9542, 0.4234, 0.3466

29.9542, 0.2677, 0.3899

29.9542, 0.2134, 0.2951

Sweetspot

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

29.9556, 0.3535, 0.2774

82.5886, 0.3223, 0.3141

26.4915, 0.2760, 0.2268

17.2563, 0.3237, 0.3123

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.

29.9556, 0.3535, 0.2774

45.1789, 0.3654, 0.2669

28.8049, 0.3974, 0.3243

10.7312, 0.3207, 0.3166

8.5162, 0.4769, 0.2401

0.4177, 0.4358, 0.2174

Inverse Universe

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

29.9556, 0.3535, 0.2774

45.1789, 0.3654, 0.2669

49.7601, 0.2636, 0.3340

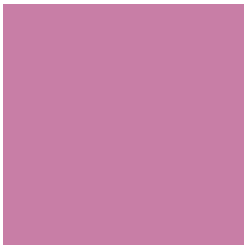
10.7312, 0.3207, 0.3166

8.5162, 0.4769, 0.2401

0.4177, 0.4358, 0.2174

Previews

White Background



This preview shows how the Yxy color 29.9542, 0.3535, 0.2774 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

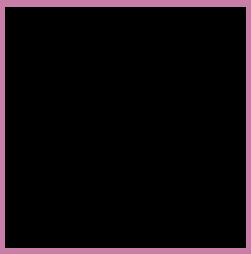
Black Background

Color Contrast Check

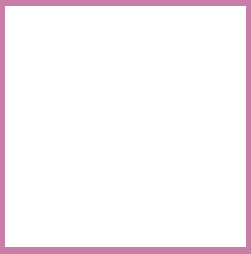
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 29.9542, 0.3535, 0.2774 Background



This preview shows how black text looks on a background with the Yxy color 29.9542, 0.3535, 0.2774.

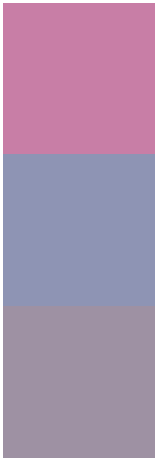


This preview shows how white text looks on a background with the Yxy color 29.9542, 0.3535, 0.2774.

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



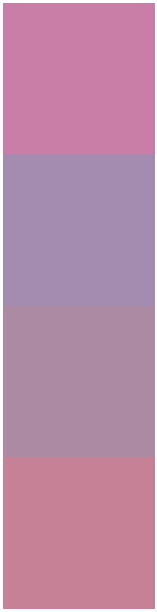
Original Color
29.9542, 0.3535, 0.2774

Protanopia
30.2259, 0.2785, 0.2808

Deuteranopia
30.1642, 0.3088, 0.3021

Tritanopia
30.0260, 0.3781, 0.3158

Trichromacy



Original Color
29.9542, 0.3535, 0.2774

Protanomaly
29.6378, 0.3027, 0.2785

Deuteranomaly
29.7415, 0.3241, 0.2919

Tritanomaly
29.9083, 0.3692, 0.3013

Monochromacy

Original Color
29.9542, 0.3535, 0.2774

Achromatopsia
31.8547, 0.3127, 0.3290

Achromatomaly
30.6596, 0.3264, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9542, 0.3535, 0.2774 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(200, 126, 166) looks like.

```
.text, #text, p{
    color:rgb(200, 126, 166)
}
```

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(200, 126, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 126, 166) }
```

Border

The CSS property to change the border of an element to Yxy 29.9542, 0.3535, 0.2774 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(200, 126, 166) }
```

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

```
.border{ border-color:rgb(200, 126, 166) }
```

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

Here you see how a box with a 4 pixel rgb(200, 126, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 126, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 126, 166); box-shadow:4px 4px 4px 4px rgb(200, 126, 166) }
```

Background

The CSS property to change the background color of an element to Yxy 29.9542, 0.3535, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(200, 126, 166) }
```

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

```
.background{ background-color:rgb(200,
126, 166) }
```

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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