Converting Colors

Yxy(28.4169, 0.3648, 0.2409)

Have a look what the booklet for Yxy(28.4169, 0.3648, 0.2409) contains.

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Color

Yxy(28.3679, 0.3646, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	DD67B4
RGB	221, 103, 180
RGB Percent	87%, 40%, 71%
CMY	0.1335, 0.5959, 0.2941
CMYK	0.00, 0.53, 0.19, 0.13
HSL	321°, 63%, 64%
HSV	321°, 53%, 87%
XYZ	42.8989, 28.3679, 46.3935
YIQ	147.0600, 45.6110, 48.9630

Conversions

Conversions Part 2

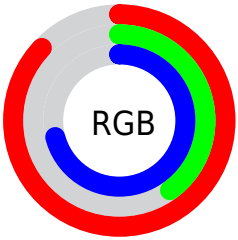
Format	Color
RYB	221, 103, 180
Decimal	14510004
CIELab	60.22, 55.00, -19.08
CIELCh	60, 58.220, 340.865
Yxy	28.3679, 0.3646, 0.2411
Android (android.graphics.Color)	4292700084 (0xFFDD67B4)
YUV	147.0600, 16.2394, 64.8454
Hunter-Lab	53.2615, 50.5633, -14.3615

Details

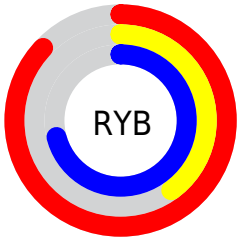
The Yxy color 28.3679, 0.3646, 0.2411 is a light color, and the websafe version is hex CC6699. A complement of this color would be 56.5935, 0.2840, 0.4406, and the grayscale version is 29.1248, 0.3127, 0.3290.

A 20% lighter version of the original color is 51.7698, 0.3329, 0.2512, and 11.3519, 0.3799, 0.2161 is the 20% darker color. If you saturate the color by 10%, you get 24.2333, 0.3787, 0.2282, and if you desaturate by 10%, it is 33.6839, 0.3518, 0.2565.

Distribution

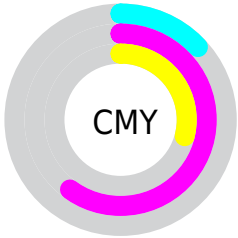


- Red (87%)
- Green (40%)
- Blue (71%)



- Red (87%)
- Yellow (40%)
- Blue (71%)

- Cyan (0%)
- Magenta (53%)
- Yellow (19%)
- Black (13%)



- Cyan (13%)
- Magenta (60%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3679, 0.3646, 0.2411 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 28.3679, 0.3646, 0.2411 by changing the saturation by 10% instead.

28.3679, 0.3646, 0.2411

28.3679, 0.3646, 0.2411

294.2207, 0.3383, 0.2851

18.6032, 0.3712, 0.2302

57.0713, 0.3550, 0.2570

11.3839, 0.3798, 0.2163

76.7787, 0.3514, 0.2630

6.3257, 0.3912, 0.1981

100.5692, 0.3483, 0.2681

3.0441, 0.4071, 0.1732

128.8271, 0.3457, 0.2725

1.1548, 0.4305, 0.1378

161.9368, 0.3435, 0.2763

0.0243, 0.5069, 0.0083

200.2827, 0.3415,

0.0000, 0.6688,

0.2796

0.0000

244.2492, 0.3398, 0.2825

0.0000, 0.0000, 0.0000

28.3679, 0.3646, 0.2411

28.3679, 0.3646, 0.2411

24.2333, 0.3787, 0.2282

33.6839, 0.3518, 0.2565

21.1821, 0.3938, 0.2188

40.2610, 0.3404, 0.2732

19.1073, 0.4092, 0.2140

48.1764, 0.3305, 0.2903

17.8778, 0.4245, 0.2143

57.5002, 0.3220, 0.3073

17.3865, 0.4345, 0.2167

68.2975, 0.3149, 0.3237

80.6292, 0.3089, 0.3391

92.8116, 0.3039, 0.3509

93.2617, 0.2996, 0.3429

93.7312, 0.2955, 0.3350

Harmonies

Analogous

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

28.3679, 0.2689, 0.2036

28.3679, 0.3646, 0.2411

28.3679, 0.4556, 0.2962

Triad

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

28.3679, 0.3646, 0.2411

28.3679, 0.4178, 0.4867

28.3679, 0.1561, 0.2529

Complementary

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

28.3679, 0.3646, 0.2411

56.5935, 0.2840, 0.4406

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.

28.3679, 0.1834, 0.3424

28.3679, 0.3646, 0.2411

28.3679, 0.3322, 0.5059

Square

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

28.3679, 0.3646, 0.2411

28.3679, 0.4812, 0.4274

28.3679, 0.2461, 0.4487

28.3679, 0.1620, 0.2040

Rectangle

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

28.3679, 0.3646, 0.2411

28.3679, 0.4917, 0.3383

28.3679, 0.2461, 0.4487

28.3679, 0.1613, 0.2784

Sweetspot

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

28.3693, 0.3646, 0.2411

75.7950, 0.3242, 0.3027

20.7073, 0.2413, 0.1716

15.6398, 0.3259, 0.2992

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.

28.3693, 0.3646, 0.2411

32.9711, 0.3804, 0.2269

26.4964, 0.4421, 0.3065

13.1940, 0.3190, 0.3139

10.1259, 0.4322, 0.2155

0.6720, 0.4095, 0.2029

Inverse Universe

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

28.3693, 0.3646, 0.2411

32.9711, 0.3804, 0.2269

58.8115, 0.2540, 0.3555

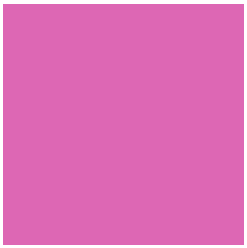
13.1940, 0.3190, 0.3139

10.1259, 0.4322, 0.2155

0.6720, 0.4095, 0.2029

Previews

White Background

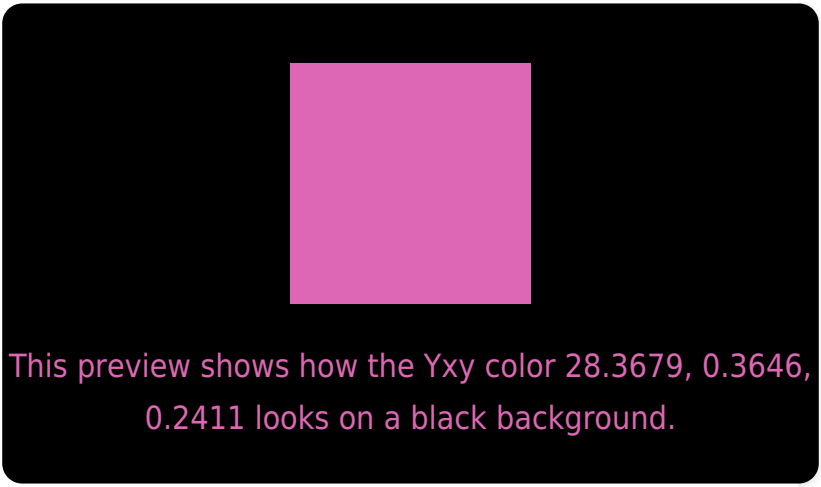


This preview shows how the Yxy color 28.3679, 0.3646, 0.2411 looks on a white background.

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

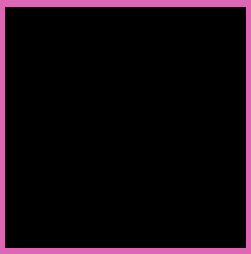


Color Contrast Check

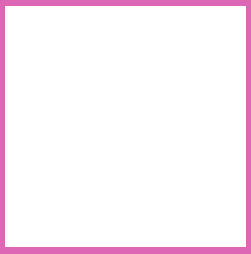
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

Yxy 28.3679, 0.3646, 0.2411 Background



This preview shows how black text looks on a background with the Yxy color 28.3679, 0.3646, 0.2411.

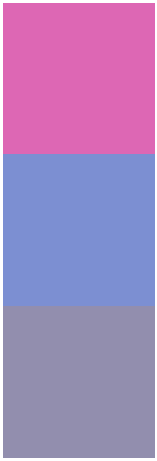


This preview shows how white text looks on a background with the Yxy color 28.3679, 0.3646, 0.2411.

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



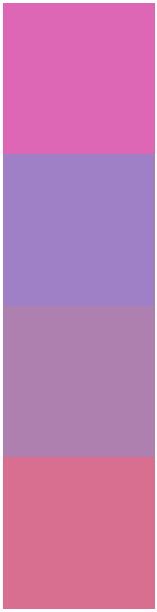
Original Color
28.3679, 0.3646, 0.2411

Protanopia
28.5832, 0.2415, 0.2319

Deuteranopia
28.5130, 0.2868, 0.2804

Tritanopia
28.3931, 0.4266, 0.3196

Trichromacy



Original Color
28.3679, 0.3646, 0.2411

Protanomaly
26.9328, 0.2768, 0.2306

Deuteranomaly
27.4572, 0.3126, 0.2618

Tritanomaly
28.1342, 0.4046, 0.2894

Monochromacy

Original Color
28.3679, 0.3646, 0.2411

Achromatopsia
29.1771, 0.3127, 0.3290

Achromatomaly
27.7345, 0.3314, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3679, 0.3646, 0.2411 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(221, 103, 180) looks like.

```
.text, #text, p{
    color:rgb(221, 103, 180)
}
```

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(221, 103, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 103, 180) }
```

Border

The CSS property to change the border of an element to Yxy 28.3679, 0.3646, 0.2411 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(221, 103, 180) }
```

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

```
.border{ border-color:rgb(221, 103, 180) }
```

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

Here you see how a box with a 4 pixel rgb(221, 103, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 103, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 103, 180); box-shadow:4px 4px 4px 4px rgb(221, 103, 180) }
```

Background

The CSS property to change the background color of an element to Yxy 28.3679, 0.3646, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(221, 103, 180) }
```

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

```
.background{ background-color:rgb(221,
103, 180) }
```

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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