Converting Colors

Yxy(61.7564, 0.2774, 0.2144)

Have a look what the booklet for Yxy(61.7564, 0.2774, 0.2144) contains.

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Color

Yxy(58.4733, 0.3084, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	F5B2FF
RGB	245, 178, 255
RGB Percent	96%, 70%, 100%
CMY	0.0394, 0.3019, 0.0000
CMYK	0.04, 0.30, 0.00, 0.00
HSL	292°, 100%, 85%
HSV	292°, 30%, 100%
XYZ	71.6170, 58.4733, 102.1309
YIQ	206.8110, 15.2150, 38.1510

Conversions

Conversions Part 2

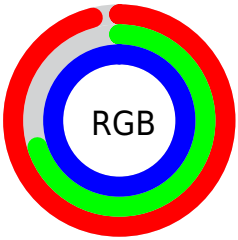
Format	Color
RYB	245, 178, 255
Decimal	16102143
CIELab	81.00, 36.88, -28.53
CIELCh	81, 46.626, 322.267
Yxy	58.4733, 0.3084, 0.2518
Android (android.graphics.Color)	4294292223 (0xFFF5B2FF)
YUV	206.8110, 23.7572, 33.4918
Hunter-Lab	76.4678, 33.3580, -25.6606

Details

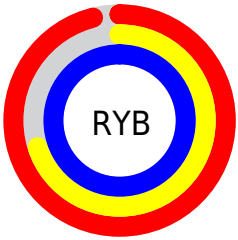
The Yxy color 58.4733, 0.3084, 0.2518 is a light color, and the websafe version is hex FFCCFF. A complement of this color would be 85.4349, 0.3146, 0.4163, and the grayscale version is 62.1058, 0.3127, 0.3290.

A 20% lighter version of the original color is 87.3256, 0.3137, 0.3088, and 29.1839, 0.3067, 0.2346 is the 20% darker color. If you saturate the color by 10%, you get 48.6588, 0.3062, 0.2263, and if you desaturate by 10%, it is 70.1879, 0.3102, 0.2779.

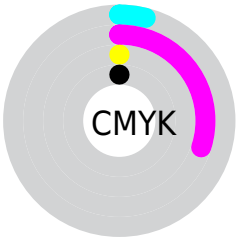
Distribution



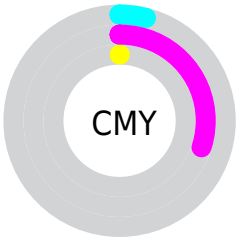
- Red (96%)
- Green (70%)
- Blue (100%)



- Red (96%)
- Yellow (70%)
- Blue (100%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4733, 0.3084, 0.2518 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 58.4733, 0.3084, 0.2518 by changing the saturation by 10% instead.

58.4733, 0.3084, 0.2518

418.9472, 0.3113, 0.2864

102.6118, 0.3096, 0.2636

131.2350, 0.3100, 0.2682

164.7401, 0.3103, 0.2723

203.5114, 0.3106, 0.2758

247.9334, 0.3109, 0.2789

298.3905, 0.3110,

58.4733, 0.3084, 0.2518

42.1893, 0.3075, 0.2442

29.2495, 0.3063, 0.2349

19.2697, 0.3046, 0.2235

11.8653, 0.3022, 0.2090

6.6520, 0.2983, 0.1901

3.2454, 0.2920, 0.1646

1.2612, 0.2804,

0.2817

0.1292

355.2669, 0.3112, 0.2842

0.1108, 0.2702, 0.0295

0.0000, 0.0000, 0.0000

58.4733, 0.3084, 0.2518

58.4733, 0.3084, 0.2518

48.6588, 0.3062, 0.2263

70.1879, 0.3102, 0.2779

40.6347, 0.3037, 0.2023

83.8943, 0.3116, 0.3037

34.2878, 0.3008, 0.1809

99.6842, 0.3127, 0.3285

29.4897, 0.2976, 0.1631

100.0000, 0.3127, 0.3290

26.0935, 0.2943, 0.1497

23.9236, 0.2909, 0.1407

22.7077, 0.2875, 0.1358

Harmonies

Analogous

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

58.4733, 0.2536, 0.2356

58.4733, 0.3084, 0.2518

58.4733, 0.3700, 0.2843

Triad

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

58.4733, 0.3084, 0.2518

58.4733, 0.4130, 0.4155

58.4733, 0.2171, 0.3167

Complementary

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

58.4733, 0.3084, 0.2518

85.4349, 0.3146, 0.4163

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.

58.4733, 0.2534, 0.3788

58.4733, 0.3084, 0.2518

58.4733, 0.3663, 0.4386

Square

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

58.4733, 0.3084, 0.2518

58.4733, 0.4332, 0.3739

58.4733, 0.3077, 0.4270

58.4733, 0.2051, 0.2668

Rectangle

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

58.4733, 0.3084, 0.2518

58.4733, 0.4047, 0.3122

58.4733, 0.3077, 0.4270

58.4733, 0.2267, 0.3371

Sweetspot

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

58.4749, 0.3084, 0.2518

85.6580, 0.3118, 0.3067

52.7767, 0.2604, 0.2523

17.8725, 0.3116, 0.3030

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.

58.4749, 0.3084, 0.2518

52.5445, 0.3072, 0.2368

58.6436, 0.3385, 0.2796

18.1731, 0.3117, 0.3054

11.9122, 0.2881, 0.1361

1.1919, 0.2921, 0.1383

Inverse Universe

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

56.7436, 0.3720, 0.3187

50.6275, 0.3885, 0.3166

85.4560, 0.2937, 0.3843

18.0256, 0.3274, 0.3259

11.1788, 0.6237, 0.3209

1.0999, 0.5985, 0.3071

Previews

White Background

This preview shows how the Yxy color 58.4733, 0.3084, 0.2518 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 58.4733, 0.3084, 0.2518 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 58.4733, 0.3084, 0.2518

Background

This preview shows how black text looks on a background with the Yxy color 58.4733, 0.3084, 0.2518.

This preview shows how white text looks on a background with the Yxy color 58.4733, 0.3084, 0.2518.

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
58.4733, 0.3084, 0.2518

Protanopia
59.0933, 0.2676, 0.2672

Deuteranopia
58.4996, 0.2750, 0.2686

Tritanopia
58.4554, 0.3426, 0.3128

Trichromacy

Original Color
58.4733, 0.3084, 0.2518

Protanomaly
58.3292, 0.2811, 0.2606

Deuteranomaly
58.0013, 0.2865, 0.2620

Tritanomaly
58.2557, 0.3302, 0.2888

Monochromacy

Original Color
58.4733, 0.3084, 0.2518

Achromatopsia
62.3960, 0.3127, 0.3290

Achromatomaly
60.2338, 0.3118, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4733, 0.3084, 0.2518 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(245, 178, 255) looks like.

```
.text, #text, p{
    color:rgb(245, 178, 255)
}
```

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(245, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.4733, 0.3084, 0.2518 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(245, 178, 255) }
```

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

```
.border{ border-color:rgb(245, 178, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 178, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 178, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 178, 255); box-shadow:4px 4px 4px 4px rgb(245, 178, 255) }
```

Background

The CSS property to change the background color of an element to Yxy 58.4733, 0.3084, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(245, 178, 255) }
```

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

```
.background{ background-color:rgb(245, 178, 255) }
```

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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