

Converting Colors

$Y_{xy}(65.6775, 0.3080, 0.3043)$

Have a look what the booklet for
Yxy(65.6775, 0.3080, 0.3043)
contains.

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Color

Yxy(65.8684, 0.3080, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	DECFE6
RGB	222, 207, 230
RGB Percent	87%, 81%, 90%
CMY	0.1292, 0.1883, 0.0980
CMYK	0.03, 0.10, 0.00, 0.10
HSL	279°, 32%, 86%
HSV	279°, 10%, 90%
XYZ	66.7351, 65.8684, 84.0689
YIQ	214.1070, 1.5570, 10.3330

Conversions

Conversions Part 2

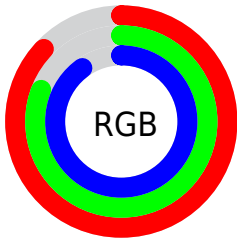
Format	Color
R_{YB}	222, 207, 230
Decimal	14602214
CIE _{Lab}	84.93, 9.36, -9.46
CIE _{LCh}	85, 13.312, 314.688
Yxy	65.8684, 0.3080, 0.3040
Android (android.graphics.Color)	4292792294 (0xFFDECFE6)
YUV	214.1070, 7.8352, 6.9222
Hunter-Lab	81.1593, 4.7468, -4.6040

Details

The Yxy color $65.8684, 0.3080, 0.3040$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $75.5431, 0.3170, 0.3544$, and the grayscale version is $67.2731, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.0931, 0.3064, 0.2979$ is the 20% darker color. If you saturate the color by 10%, you get $54.3018, 0.3024, 0.2774$, and if you desaturate by 10%, it is $79.1231, 0.3127, 0.3290$.

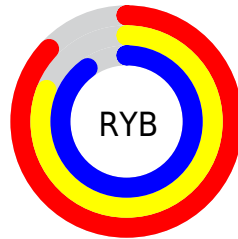
Distribution



Red (87%)

Green (81%)

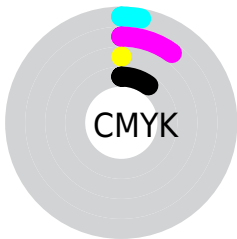
Blue (90%)



Red (87%)

Yellow (81%)

Blue (90%)

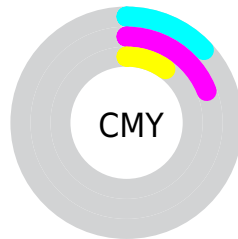


Cyan (3%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (13%)

Magenta (19%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8684, 0.3080, 0.3040 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 65.8684, 0.3080, 0.3040 by changing the saturation by 10% instead.

65.8684, 0.3080,
0.3040

65.8684, 0.3080,
0.3040

445.9061, 0.3103,
0.3156

48.1656, 0.3074,
0.3014

113.2974, 0.3088,
0.3080

33.9580, 0.3067,
0.2981

143.7924, 0.3091,
0.3096

22.8614, 0.3058,
0.2939

179.3203, 0.3094,
0.3109

14.4912, 0.3046,
0.2885

220.2654, 0.3096,
0.3121

8.4631, 0.3028,
0.2811

267.0121, 0.3098,
0.3131

4.3927, 0.3001,
0.2704

319.9449, 0.3100,

1.8955, 0.2955,

0.3140

0.2536

379.4481, 0.3102,
0.3149

0.5457, 0.2897,
0.2116

0.0000, 0.0000,
0.0000

65.8684, 0.3080,
0.3040

65.8684, 0.3080,
0.3040

54.3018, 0.3024,
0.2774

79.1231, 0.3127,
0.3290

44.3443, 0.2959,
0.2498

94.1241, 0.3166,
0.3521

35.9228, 0.2884,
0.2218

96.8067, 0.3215,
0.3536

28.9554, 0.2801,
0.1944

98.2729, 0.3266,
0.3533

■ 23.3521, 0.2712,
0.1689

■ 98.4940, 0.3274,
0.3532

■ 19.0128, 0.2618,
0.1466

■ 15.8234, 0.2523,
0.1284

■ 13.6480, 0.2431,
0.1152

■ 12.2542, 0.2344,
0.1065

Harmonies

Analogous

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



65.8684, 0.2929, 0.3011



65.8684, 0.3080, 0.3040



65.8684, 0.3248, 0.3132

Triad

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



65.8684, 0.3080, 0.3040



65.8684, 0.3430, 0.3523



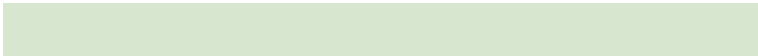
65.8684, 0.2874, 0.3309

Complementary

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



65.8684, 0.3080, 0.3040



75.5431, 0.3170, 0.3544

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.



65.8684, 0.3003, 0.3457



65.8684, 0.3080, 0.3040



65.8684, 0.3324, 0.3580

Square

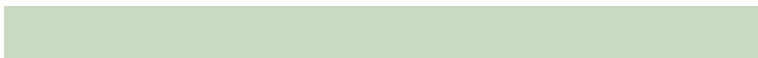
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8684, 0.3080, 0.3040



65.8684, 0.3453, 0.3406



65.8684, 0.3168, 0.3557



65.8684, 0.2812, 0.3161

Rectangle

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



65.8684, 0.3080, 0.3040



65.8684, 0.3346, 0.3217



65.8684, 0.3168, 0.3557



65.8684, 0.2911, 0.3361

Sweetspot

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



65.8712, 0.3080, 0.3040



94.7182, 0.3114, 0.3217



67.6006, 0.2972, 0.3123



19.9787, 0.3110, 0.3197



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.



65.8712, 0.3080, 0.3040



80.0574, 0.3069, 0.2987



66.9650, 0.3163, 0.3081



14.3531, 0.3083, 0.3054



7.0070, 0.2358, 0.1072



0.5688, 0.2483, 0.1142

Inverse Universe

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



66.3462, 0.3246, 0.3204



80.7828, 0.3273, 0.3186



74.5396, 0.3093, 0.3509



14.4497, 0.3238, 0.3209



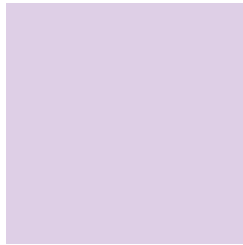
9.8680, 0.5589, 0.2853



0.7462, 0.5181, 0.2628

Previews

White Background



This preview shows how the Yxy color 65.8684, 0.3080, 0.3040 looks on a white background.

Color Contrast Check

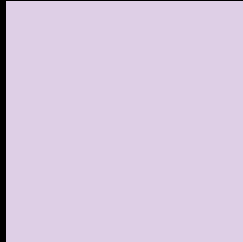
Large Text (above 18pt) WCAG AA × Fail

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 65.8684, 0.3080, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

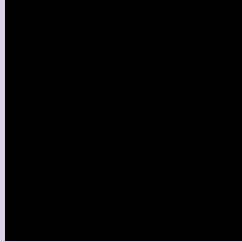
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

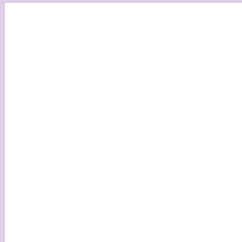
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8684, 0.3080, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 65.8684, 0.3080, 0.3040.



This preview shows how white text looks on a background with the Yxy color 65.8684, 0.3080, 0.3040.

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

65.8684, 0.3080, 0.3040

Protanopia

66.1164, 0.2980, 0.3057

Deuteranopia

65.7031, 0.3095, 0.3030



Tritanopia

65.8657, 0.3113, 0.3115

Trichromacy



Original Color

65.8684, 0.3080, 0.3040

Protanomaly

66.1589, 0.3014, 0.3059

Deuteranomaly

65.5438, 0.3087, 0.3030

Tritanomaly

65.9749, 0.3099, 0.3093

Monochromacy



Original Color

65.8684, 0.3080, 0.3040

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.5076, 0.3110, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8684, 0.3080, 0.3040 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(222, 207, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 207, 230)  
}
```

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(222, 207, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 207, 230) }
```

Border

The CSS property to change the border of an element to Yxy 65.8684, 0.3080, 0.3040 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(222, 207, 230) }
```

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

```
.border{ border-color:rgb(222, 207, 230) }
```

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

Here you see how a box with a 4 pixel rgb(222, 207, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 207, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 207, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 207,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8684, 0.3080, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 207, 230) }
```

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

```
.background{ background-color: rgb(222,  
207, 230) }
```

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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