

Converting Colors

$Y_{xy}(29.9195, 0.3633, 0.2855)$

Have a look what the booklet for
Yxy(29.9195, 0.3633, 0.2855)
contains.

Yxy(30.0163, 0.3627, 0.2853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0163, 0.3627, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	CA7EA0
RGB	202, 126, 160
RGB Percent	79%, 49%, 63%
CMY	0.2079, 0.5058, 0.3726
CMYK	0.00, 0.38, 0.21, 0.21
HSL	333°, 42%, 64%
HSV	333°, 38%, 79%
XYZ	38.1595, 30.0163, 37.0338
YIQ	152.6000, 34.3820, 26.6860

Conversions

Conversions Part 2

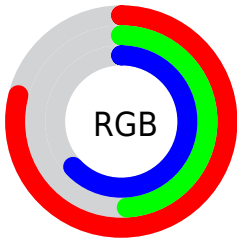
Format	Color
R _Y B	202, 126, 160
Decimal	13270688
CIE Lab	61.67, 34.08, -5.70
CIE LCh	62, 34.553, 350.510
Yxy	30.0163, 0.3627, 0.2853
Android (android.graphics.Color)	4291460768 (0xFFCA7EA0)
YUV	152.6000, 3.6482, 43.3238
Hunter-Lab	54.7871, 28.4487, -1.7265

Details

The Yxy color **30.0163, 0.3627, 0.2853** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **49.4996, 0.2809, 0.3780**, and the grayscale version is **31.6459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8088, 0.3481, 0.2932**, and **12.2473, 0.3781, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **24.9890, 0.3825, 0.2739**, and if you desaturate by 10%, it is **36.1244, 0.3459, 0.2973**.

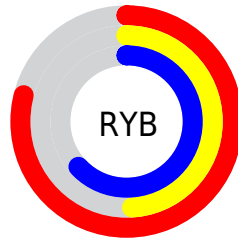
Distribution



Red (79%)

Green (49%)

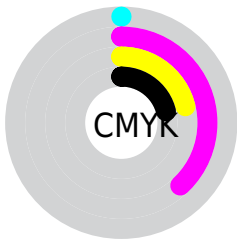
Blue (63%)



Red (79%)

Yellow (49%)

Blue (63%)

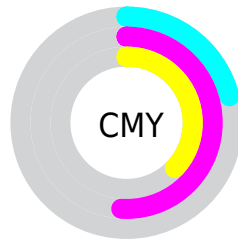


Cyan (0%)

Magenta (38%)

Yellow (21%)

Black (21%)



Cyan (21%)


Magenta (51%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0163, 0.3627, 0.2853 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 30.0163, 0.3627, 0.2853 by changing the saturation by 10% instead.


 30.0163, 0.3627,
0.2853


 30.0163, 0.3627,
0.2853


301.9804, 0.3362,
0.3081


 19.8510, 0.3698,
0.2793


 59.6880, 0.3527,
0.2938

 12.2868, 0.3793,
0.2714


 79.9631, 0.3491,
0.2969

 6.9393, 0.3925,
0.2606


 104.3769, 0.3460,
0.2995

 3.4242, 0.4121,
0.2448

133.3138, 0.3435,
0.3018

 1.3570, 0.4443,
0.2199

167.1582, 0.3413,
0.3037

 0.1847, 0.5651,
0.1025

206.2945, 0.3394,

 0.0000, 0.0000,

0.3053

0.0000

251.1071, 0.3377,
0.3068

■ 30.0163, 0.3627,
0.2853

■ 30.0163, 0.3627,
0.2853

■ 24.9890, 0.3825,
0.2739

■ 36.1244, 0.3459,
0.2973

■ 20.9743, 0.4054,
0.2640

■ 43.3678, 0.3318,
0.3092

■ 17.9025, 0.4311,
0.2567

■ 51.8023, 0.3202,
0.3207

■ 15.6935, 0.4586,
0.2533

■ 61.4790, 0.3106,
0.3315


■ 14.2535, 0.4866,
0.2549

■ 72.4458, 0.3027,
0.3416


 13.4496, 0.5134,
0.2617

 84.7480, 0.2962,
0.3509

 13.2985, 0.5197,
0.2636

 90.2568, 0.2903,
0.3468

 90.9343, 0.2845,
0.3349

 91.2948, 0.2816,
0.3289

Harmonies

Analogous

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



30.0163, 0.3056, 0.2555



30.0163, 0.3627, 0.2853



30.0163, 0.4079, 0.3254

Triad

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



30.0163, 0.3627, 0.2853



30.0163, 0.3659, 0.4299



30.0163, 0.2123, 0.2738

Complementary

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



30.0163, 0.3627, 0.2853



49.4996, 0.2809, 0.3780

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.



30.0163, 0.2251, 0.3213



30.0163, 0.3627, 0.2853



30.0163, 0.3117, 0.4207

Square

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



30.0163, 0.3627, 0.2853



30.0163, 0.4079, 0.4080



30.0163, 0.2605, 0.3782



30.0163, 0.2228, 0.2468

Rectangle

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



30.0163, 0.3627, 0.2853



30.0163, 0.4227, 0.3546



30.0163, 0.2605, 0.3782



30.0163, 0.2139, 0.2876

Sweetspot

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



30.0177, 0.3627, 0.2853



82.4320, 0.3241, 0.3167



27.4918, 0.2827, 0.2270



17.2191, 0.3256, 0.3151



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.



30.0177, 0.3627, 0.2853



43.8757, 0.3783, 0.2761



29.9770, 0.4023, 0.3343



11.2957, 0.3221, 0.3187



8.5760, 0.5164, 0.2618



0.4576, 0.4686, 0.2355

Inverse Universe

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



30.0177, 0.3627, 0.2853



43.8757, 0.3783, 0.2761



49.1749, 0.2600, 0.3236



11.2957, 0.3221, 0.3187



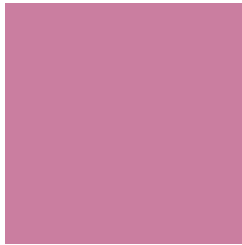
8.5760, 0.5164, 0.2618



0.4576, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 30.0163, 0.3627, 0.2853 looks on a white background.

Color Contrast Check

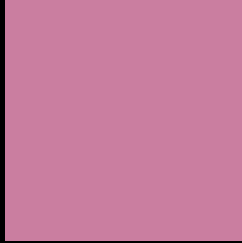
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 30.0163, 0.3627, 0.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

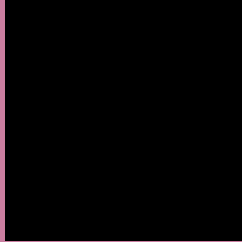
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0163, 0.3627, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 30.0163, 0.3627, 0.2853.



This preview shows how white text looks on a background with the Yxy color 30.0163, 0.3627, 0.2853.

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

30.0163, 0.3627, 0.2853

Protanopia

30.2555, 0.2863, 0.2896

Deuteranopia

30.2622, 0.3177, 0.3111



Tritanopia

30.1087, 0.3843, 0.3173

Trichromacy



Original Color

30.0163, 0.3627, 0.2853

Protanomaly

29.7277, 0.3115, 0.2870

Deuteranomaly

29.8757, 0.3336, 0.3005

Tritanomaly

30.2246, 0.3762, 0.3056

Monochromacy



Original Color

30.0163, 0.3627, 0.2853

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.7031, 0.3295, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0163, 0.3627, 0.2853 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(202, 126, 160)` looks like.

```
.text, #text, p{  
    color:rgb(202, 126, 160)  
}
```

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(202, 126, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 126, 160) }
```

Border

The CSS property to change the border of an element to Yxy 30.0163, 0.3627, 0.2853 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(202, 126, 160) }
```

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

```
.border{ border-color:rgb(202, 126, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 126, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 126, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 126, 160);  
box-shadow:4px 4px 4px 4px rgb(202, 126,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0163, 0.3627, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 126, 160) }
```

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

```
.background{ background-color: rgb(202,  
126, 160) }
```

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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