

Converting Colors

$Y_{xy}(30.2073, 0.3447, 0.2719)$

Have a look what the booklet for
Yxy(30.2073, 0.3447, 0.2719)
contains.

Yxy(30.1631, 0.3443, 0.2710)	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(30.1631, 0.3443, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	C67FAC
RGB	198, 127, 172
RGB Percent	78%, 50%, 67%
CMY	0.2235, 0.5019, 0.3256
CMYK	0.00, 0.36, 0.13, 0.22
HSL	322°, 38%, 64%
HSV	322°, 36%, 78%
XYZ	38.3216, 30.1631, 42.8182
YIQ	153.3590, 27.8710, 29.0470

Conversions

Conversions Part 2

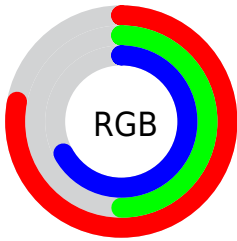
Format	Color
R _Y B	198, 127, 172
Decimal	13008812
CIE Lab	61.79, 34.06, -12.40
CIE LCh	62, 36.243, 339.995
Yxy	30.1631, 0.3443, 0.2710
Android (android.graphics.Color)	4291198892 (0xFFC67FAC)
YUV	153.3590, 9.1900, 39.1502
Hunter-Lab	54.9209, 28.4384, -7.7799

Details

The Yxy color **30.1631, 0.3443, 0.2710** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.2006, 0.2908, 0.3955**, and the grayscale version is **31.9705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8538, 0.3380, 0.2824**, and **12.3646, 0.3538, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **25.2711, 0.3566, 0.2551**, and if you desaturate by 10%, it is **36.0780, 0.3336, 0.2876**.

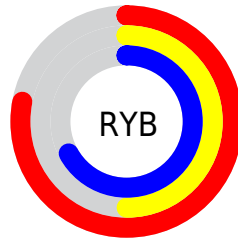
Distribution



Red (78%)

Green (50%)

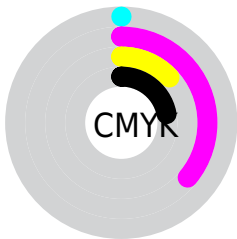
Blue (67%)



Red (78%)

Yellow (50%)

Blue (67%)

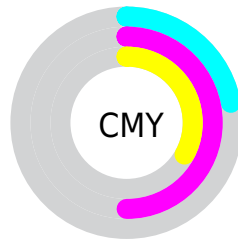


Cyan (0%)

Magenta (36%)

Yellow (13%)

Black (22%)



Cyan (22%)


Magenta (50%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1631, 0.3443, 0.2710 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 30.1631, 0.3443, 0.2710 by changing the saturation by 10% instead.


 30.1631, 0.3443,
0.2710


 30.1631, 0.3443,
0.2710


302.6640, 0.3281,
0.3007


 19.9624, 0.3485,
0.2634


 59.9200, 0.3383,
0.2819

 12.3677, 0.3540,
0.2536


 80.2450, 0.3361,
0.2860

 6.9946, 0.3614,
0.2403


 104.7136, 0.3342,
0.2894

 3.4587, 0.3720,
0.2214

133.7102, 0.3326,
0.2923

 1.3757, 0.3883,
0.1929

167.6191, 0.3312,
0.2948

 0.1987, 0.4453,
0.0856

206.8248, 0.3300,

 0.0000, 0.0000,

0.2970

0.0000

251.7116, 0.3290,
0.2989

■ 30.1631, 0.3443,
0.2710

■ 30.1631, 0.3443,
0.2710

■ 25.2711, 0.3566,
0.2551

■ 36.0780, 0.3336,
0.2876

■ 21.3385, 0.3705,
0.2406

■ 43.0663, 0.3244,
0.3041

■ 18.3012, 0.3857,
0.2288


■ 51.1800, 0.3167,
0.3200

■ 16.0853, 0.4018,
0.2207

■ 60.4665, 0.3102,
0.3352

■ 14.6049, 0.4183,
0.2172


■ 70.9704, 0.3047,
0.3493

 13.7533, 0.4345,
0.2189

 82.7342, 0.3002,
0.3625

 13.4965, 0.4412,
0.2204

 88.8414, 0.2963,
0.3638

 89.2409, 0.2924,
0.3558

 89.6573, 0.2885,
0.3478

Harmonies

Analogous

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



30.1631, 0.2851, 0.2453



30.1631, 0.3443, 0.2710



30.1631, 0.3986, 0.3096

Triad

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



30.1631, 0.3443, 0.2710



30.1631, 0.3857, 0.4295



30.1631, 0.2099, 0.2862

Complementary

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



30.1631, 0.3443, 0.2710



47.2006, 0.2908, 0.3955

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.



30.1631, 0.2316, 0.3416



30.1631, 0.3443, 0.2710



30.1631, 0.3317, 0.4331

Square

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



30.1631, 0.3443, 0.2710



30.1631, 0.4219, 0.3981



30.1631, 0.2754, 0.3995



30.1631, 0.2125, 0.2503

Rectangle

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



30.1631, 0.3443, 0.2710



30.1631, 0.4217, 0.3393



30.1631, 0.2754, 0.3995



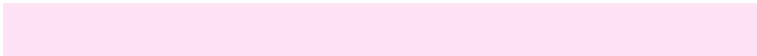
30.1631, 0.2145, 0.3030

Sweetspot

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



30.1645, 0.3443, 0.2710



82.7461, 0.3206, 0.3116



25.9202, 0.2707, 0.2285



17.2939, 0.3217, 0.3094



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.



30.1645, 0.3443, 0.2710



46.5141, 0.3538, 0.2585



29.0121, 0.3848, 0.3150



10.7481, 0.3193, 0.3145



8.7944, 0.4391, 0.2193



0.4300, 0.4083, 0.2023

Inverse Universe

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



30.1645, 0.3443, 0.2710



46.5141, 0.3538, 0.2585



48.5024, 0.2691, 0.3439



10.7481, 0.3193, 0.3145



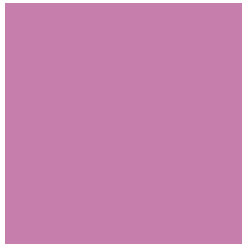
8.7944, 0.4391, 0.2193



0.4300, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 30.1631, 0.3443, 0.2710 looks on a white background.

Color Contrast Check

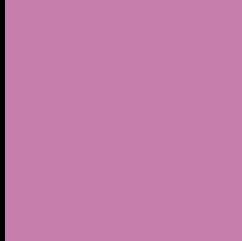
Large Text (above 18pt) WCAG AA × Fail

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 30.1631, 0.3443, 0.2710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

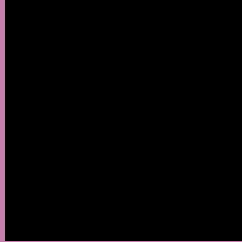
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1631, 0.3443, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 30.1631, 0.3443, 0.2710.



This preview shows how white text looks on a background with the Yxy color 30.1631, 0.3443, 0.2710.

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

30.1631, 0.3443, 0.2710

Protanopia

30.3877, 0.2729, 0.2724

Deuteranopia

30.3909, 0.3002, 0.2947



Tritanopia

30.3603, 0.3728, 0.3157

Trichromacy



Original Color

30.1631, 0.3443, 0.2710

Protanomaly

29.7737, 0.2962, 0.2703

Deuteranomaly

30.0254, 0.3158, 0.2849

Tritanomaly

30.3015, 0.3617, 0.2985

Monochromacy



Original Color

30.1631, 0.3443, 0.2710

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.9196, 0.3232, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1631, 0.3443, 0.2710 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(198, 127, 172)` looks like.

```
.text, #text, p{  
    color:rgb(198, 127, 172)  
}
```

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(198, 127, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 127, 172) }
```

Border

The CSS property to change the border of an element to Yxy 30.1631, 0.3443, 0.2710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

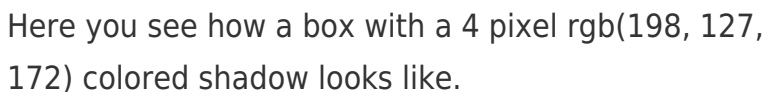
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 127, 172) }
```

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

```
.border{ border-color:rgb(198, 127, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 127, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 127, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 127, 172); box-shadow:4px 4px 4px 4px rgb(198, 127, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1631, 0.3443, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 127, 172) }
```

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

```
.background{ background-color: rgb(198,  
127, 172) }
```

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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