

Converting Colors

$Y_{xy}(17.2760, 0.3271, 0.1681)$

Have a look what the booklet for
Yxy(17.2760, 0.3271, 0.1681)
contains.

Yxy(17.3071, 0.3267, 0.1681)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.3071, 0.3267, 0.1681)

Conversions

Conversions Part 1

Format	Color
Hex	C627C1
RGB	198, 39, 193
RGB Percent	78%, 15%, 76%
CMY	0.2236, 0.8469, 0.2432
CMYK	0.00, 0.80, 0.03, 0.22
HSL	302°, 67%, 46%
HSV	302°, 80%, 78%
XYZ	33.6361, 17.3071, 52.0140
YIQ	104.0970, 45.3300, 81.6020

Conversions

Conversions Part 2

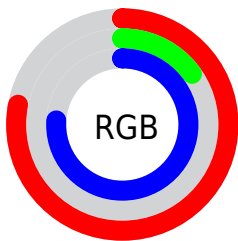
Format	Color
R _Y B	198, 39, 193
Decimal	12986305
CIE Lab	48.64, 75.02, -44.89
CIE LCh	49, 87.428, 329.107
Yxy	17.3071, 0.3267, 0.1681
Android (android.graphics.Color)	4291176385 (0xFFC627C1)
YUV	104.0970, 43.8292, 82.3529
Hunter-Lab	41.6018, 71.5186, -45.0079

Details

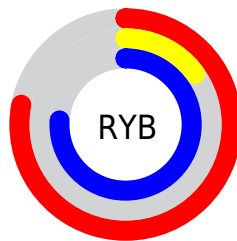
The Yxy color **17.3071, 0.3267, 0.1681** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **40.9964, 0.2999, 0.5722**, and the grayscale version is **13.7484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2653, 0.3237, 0.1949**, and **7.4395, 0.3227, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **16.3002, 0.3279, 0.1616**, and if you desaturate by 10%, it is **18.9937, 0.3252, 0.1789**.

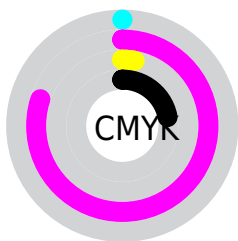
Distribution



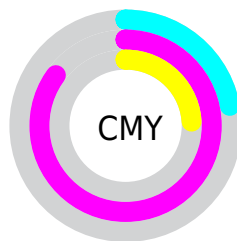
- Red (78%)
- Green (15%)
- Blue (76%)



- Red (78%)
- Yellow (15%)
- Blue (76%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (22%)





- Cyan (22%)
- Magenta (85%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3071, 0.3267, 0.1681 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 17.3071, 0.3267, 0.1681 by changing the saturation by 10% instead.


 17.3071, 0.3267,
0.1681


 17.3071, 0.3267,
0.1681


236.9359, 0.3235,
0.2472


 10.4537, 0.3260,
0.1496


 38.8530, 0.3266,
0.1961


 5.7008, 0.3242,
0.1270


 54.3143, 0.3262,
0.2068


 2.6640, 0.3200,
0.0993


 73.4138, 0.3258,
0.2161

 0.9589, 0.3108,
0.0658

 96.5356, 0.3253,
0.2240

 0.0000, 0.2992,
0.0000

 124.0644, 0.3249,
0.2309

 0.0000, 0.2401,
0.0000

156.3845, 0.3244,

 0.0000, 0.0000,

0.2370

0.0000

193.8802, 0.3240,
0.2424

■ 17.3071, 0.3267,
0.1681

■ 17.3071, 0.3267,
0.1681

■ 16.3002, 0.3279,
0.1616

■ 18.9937, 0.3252,
0.1789

■ 15.7992, 0.3290,
0.1586

■ 21.4504, 0.3236,
0.1938

■ 24.7562, 0.3218,
0.2123

■ 28.9798, 0.3199,
0.2335

■ 34.1827, 0.3180,
0.2566

■ 40.4215, 0.3162,
0.2807

■ 47.7480, 0.3144,
0.3048

■ 56.2108, 0.3128,
0.3284

■ 65.8556, 0.3113,
0.3509

Harmonies

Analogous

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



17.3071, 0.1898, 0.1304



17.3071, 0.3267, 0.1681



17.3071, 0.5030, 0.2334

Triad

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



17.3071, 0.3267, 0.1681



17.3071, 0.4910, 0.5090



17.3071, 0.0858, 0.2361

Complementary

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



17.3071, 0.3267, 0.1681



40.9964, 0.2999, 0.5722

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.



17.3071, 0.1304, 0.4243



17.3071, 0.3267, 0.1681



17.3071, 0.3595, 0.6217

Square

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



17.3071, 0.3267, 0.1681



17.3071, 0.5896, 0.3963



17.3071, 0.2314, 0.6239



17.3071, 0.0842, 0.1501

Rectangle

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



17.3071, 0.3267, 0.1681



17.3071, 0.5887, 0.2842



17.3071, 0.2314, 0.6239



17.3071, 0.0948, 0.2863

Sweetspot

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



17.3079, 0.3267, 0.1681



66.8513, 0.3169, 0.2708



6.0166, 0.1651, 0.0838



13.4668, 0.3176, 0.2621



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.



17.3079, 0.3267, 0.1681



28.2157, 0.3287, 0.1594



14.7160, 0.4544, 0.2462



10.8106, 0.3142, 0.3069



10.2787, 0.3288, 0.1585



0.4885, 0.3271, 0.1575

Inverse Universe

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



17.3079, 0.3267, 0.1681



28.2157, 0.3287, 0.1594



42.1988, 0.2671, 0.4603



10.8106, 0.3142, 0.3069



10.2787, 0.3288, 0.1585



0.4885, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 17.3071, 0.3267, 0.1681 looks on a white background.

Color Contrast Check

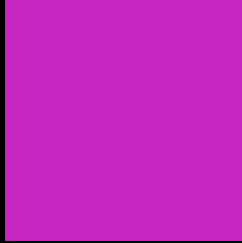
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.3071, 0.3267, 0.1681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

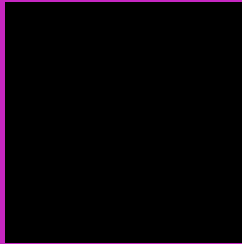
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3071, 0.3267, 0.1681

Background



This preview shows how black text looks on a background with the Yxy color 17.3071, 0.3267, 0.1681.



This preview shows how white text looks on a background with the Yxy color 17.3071, 0.3267, 0.1681.

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

17.3071, 0.3267, 0.1681

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.6175, 0.2194, 0.2138



Tritanopia

17.3040, 0.4696, 0.3215

Trichromacy



Original Color

17.3071, 0.3267, 0.1681



Protanomaly

13.1486, 0.1857, 0.1278



Deuteranomaly

14.8097, 0.2469, 0.1769



Tritanomaly

16.4792, 0.4174, 0.2529

Monochromacy



Original Color

17.3071, 0.3267, 0.1681



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

12.9182, 0.3203, 0.2325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3071, 0.3267, 0.1681 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, 39, 193)` looks like.

```
.text, #text, p{  
    color:rgb(198, 39, 193)  
}
```

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, 39, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 39, 193) }
```

Border

The CSS property to change the border of an element to Yxy 17.3071, 0.3267, 0.1681 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, 39, 193) }
```

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

```
.border{ border-color:rgb(198, 39, 193) }
```

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

Here you see how a box with a 4 pixel rgb(198, 39, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 39, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 39, 193);  
box-shadow:4px 4px 4px 4px rgb(198, 39,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3071, 0.3267, 0.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 39, 193) }
```

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

```
.background{ background-color: rgb(198, 39,  
193) }
```

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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