

Converting Colors

$Yxy(17.8347, 0.3281, 0.1733)$

Have a look what the booklet for
Yxy(17.8347, 0.3281, 0.1733)
contains.

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Color

Yxy(17.8446, 0.3277, 0.1729)

Conversions

Conversions Part 1

Format	Color
Hex	C62FC0
RGB	198, 47, 192
RGB Percent	78%, 18%, 75%
CMY	0.2235, 0.8157, 0.2470
CMYK	0.00, 0.76, 0.03, 0.22
HSL	302°, 62%, 48%
HSV	302°, 76%, 78%
XYZ	33.8211, 17.8446, 51.5419
YIQ	108.6790, 43.4510, 77.1070

Conversions

Conversions Part 2

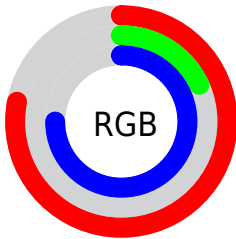
Format	Color
R_{YB}	198, 47, 192
Decimal	12988352
CIE _{Lab}	49.31, 72.82, -43.27
CIE _{LCh}	49, 84.704, 329.279
Yxy	17.8446, 0.3277, 0.1729
Android (android.graphics.Color)	4291178432 (0xFFC62FC0)
YUV	108.6790, 41.0773, 78.3345
Hunter-Lab	42.2429, 68.9884, -42.7716

Details

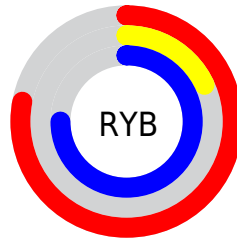
The Yxy color **17.8446, 0.3277, 0.1729** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **41.2495, 0.2997, 0.5618**, and the grayscale version is **15.0704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2514, 0.3244, 0.1992**, and **7.4104, 0.3244, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **16.5708, 0.3293, 0.1648**, and if you desaturate by 10%, it is **19.8378, 0.3259, 0.1853**.

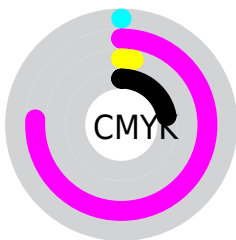
Distribution



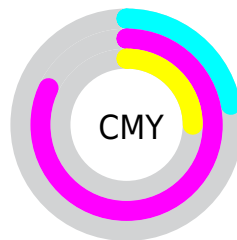
- Red (78%)
- Green (18%)
- Blue (75%)



- Red (78%)
- Yellow (18%)
- Blue (75%)



- Cyan (0%)
- Magenta (76%)
- Yellow (3%)
- Black (22%)





- Cyan (22%)
- Magenta (82%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8446, 0.3277, 0.1729 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 17.8446, 0.3277, 0.1729 by changing the saturation by 10% instead.


 17.8446, 0.3277,
0.1729


 17.8446, 0.3277,
0.1729


239.9937, 0.3237,
0.2499


 10.8385, 0.3273,
0.1548


 39.7723, 0.3272,
0.2002


 5.9583, 0.3260,
0.1325


 55.4628, 0.3267,
0.2107


 2.8198, 0.3225,
0.1050


 74.8167, 0.3262,
0.2196

 1.0384, 0.3146,
0.0714

 98.2186, 0.3257,
0.2274

 0.0000, 0.3064,
0.0000

 126.0529, 0.3252,
0.2341

 0.0000, 0.2497,
0.0000

158.7039, 0.3247,

 0.0000, 0.0000,

0.2400

0.0000

196.5560, 0.3242,
0.2452

■ 17.8446, 0.3277,
0.1729

■ 17.8446, 0.3277,
0.1729

■ 16.5708, 0.3293,
0.1648

■ 19.8378, 0.3259,
0.1853

■ 15.9039, 0.3306,
0.1607

■ 22.6341, 0.3239,
0.2017

■ 15.7304, 0.3311,
0.1598

■ 26.3083, 0.3218,
0.2213

■ 30.9259, 0.3197,
0.2433

■ 36.5464, 0.3177,
0.2667

■ 43.2242, 0.3157,
0.2907

■ 51.0099, 0.3138,
0.3145

■ 59.9508, 0.3121,
0.3375

■ 70.0916, 0.3105,
0.3593

Harmonies

Analogous

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



17.8446, 0.1944, 0.1355



17.8446, 0.3277, 0.1729



17.8446, 0.4967, 0.2374

Triad

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



17.8446, 0.3277, 0.1729



17.8446, 0.4898, 0.5095



17.8446, 0.0915, 0.2399

Complementary

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



17.8446, 0.3277, 0.1729



41.2495, 0.2997, 0.5618

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.



17.8446, 0.1363, 0.4196



17.8446, 0.3277, 0.1729



17.8446, 0.3610, 0.6123

Square

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



17.8446, 0.3277, 0.1729



17.8446, 0.5821, 0.3988



17.8446, 0.2359, 0.6093



17.8446, 0.0895, 0.1553

Rectangle

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



17.8446, 0.3277, 0.1729



17.8446, 0.5791, 0.2878



17.8446, 0.2359, 0.6093



17.8446, 0.1006, 0.2884

Sweetspot

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



17.8454, 0.3277, 0.1729



67.9692, 0.3171, 0.2737



6.8412, 0.1717, 0.0930



13.6788, 0.3178, 0.2649



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.



17.8454, 0.3277, 0.1729



28.4104, 0.3303, 0.1615



15.3342, 0.4489, 0.2499



10.8091, 0.3144, 0.3071



10.2330, 0.3310, 0.1597



0.4868, 0.3287, 0.1584

Inverse Universe

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



17.8454, 0.3277, 0.1729



28.4104, 0.3303, 0.1615



42.5388, 0.2658, 0.4482



10.8091, 0.3144, 0.3071



10.2330, 0.3310, 0.1597



0.4868, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 17.8446, 0.3277, 0.1729 looks on a white background.

Color Contrast Check

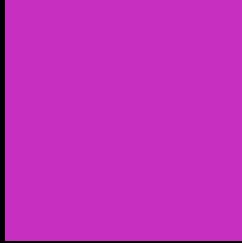
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8446, 0.3277, 0.1729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

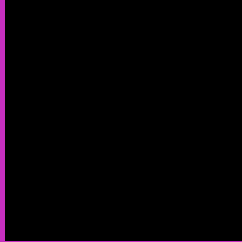
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8446, 0.3277, 0.1729

Background



This preview shows how black text looks on a background with the Yxy color 17.8446, 0.3277, 0.1729.



This preview shows how white text looks on a background with the Yxy color 17.8446, 0.3277, 0.1729.

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

17.8446, 0.3277, 0.1729

Protanopia

18.3855, 0.1739, 0.1460

Deuteranopia

18.2656, 0.2230, 0.2181



Tritanopia

17.8171, 0.4624, 0.3214

Trichromacy



Original Color

17.8446, 0.3277, 0.1729



Protanomaly

14.0178, 0.1869, 0.1333



Deuteranomaly

15.6351, 0.2497, 0.1833



Tritanomaly

17.1414, 0.4122, 0.2556

Monochromacy



Original Color

17.8446, 0.3277, 0.1729



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.1824, 0.3198, 0.2391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8446, 0.3277, 0.1729 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, 47, 192)` looks like.

```
.text, #text, p{  
    color:rgb(198, 47, 192)  
}
```

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, 47, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 47, 192) }
```

Border

The CSS property to change the border of an element to Yxy 17.8446, 0.3277, 0.1729 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, 47, 192) }
```

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

```
.border{ border-color:rgb(198, 47, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 47, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 47, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 47, 192);  
box-shadow:4px 4px 4px 4px rgb(198, 47,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8446, 0.3277, 0.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 47, 192) }
```

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

```
.background{ background-color: rgb(198, 47,  
192) }
```

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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