

Converting Colors

$Y_{xy}(17.0504, 0.2653, 0.1257)$

Have a look what the booklet for
Yxy(17.0504, 0.2653, 0.1257)
contains.

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Color

Yxy(17.0130, 0.2654, 0.1259)

Conversions

Conversions Part 1

Format	Color
Hex	BA11EE
RGB	186, 17, 238
RGB Percent	73%, 7%, 93%
CMY	0.2709, 0.9318, 0.0668
CMYK	0.22, 0.93, 0.00, 0.07
HSL	286°, 87%, 50%
HSV	286°, 93%, 93%
XYZ	35.8638, 17.0130, 82.2543
YIQ	92.7250, 29.7830, 104.5590

Conversions

Conversions Part 2

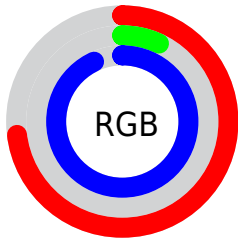
Format	Color
R _Y B	186, 17, 238
Decimal	12194286
CIE Lab	48.28, 84.25, -71.33
CIE LCh	48, 110.392, 319.749
Yxy	17.0130, 0.2654, 0.1259
Android (android.graphics.Color)	4290384366 (0xFFBA11EE)
YUV	92.7250, 71.6206, 81.8022
Hunter-Lab	41.2468, 83.0224, -89.3632

Details

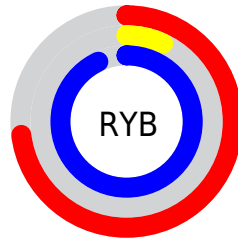
The Yxy color **17.0130, 0.2654, 0.1259** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **62.4512, 0.3114, 0.5866**, and the grayscale version is **10.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3599, 0.3120, 0.1821**, and **7.7718, 0.2454, 0.1126** is the 20% darker color. If you saturate the color by 10%, you get **16.0935, 0.2609, 0.1211**, and if you desaturate by 10%, it is **18.9166, 0.2717, 0.1358**.

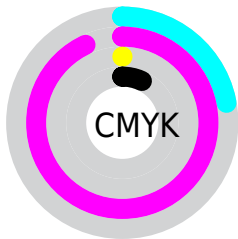
Distribution



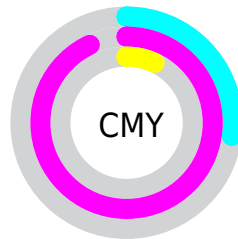
- Red (73%)
- Green (7%)
- Blue (93%)



- Red (73%)
- Yellow (7%)
- Blue (93%)



- Cyan (22%)
- Magenta (93%)
- Yellow (0%)
- Black (7%)





- Cyan (27%)
- Magenta (93%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0130, 0.2654, 0.1259 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 17.0130, 0.2654, 0.1259 by changing the saturation by 10% instead.


 17.0130, 0.2654,
0.1259


 17.0130, 0.2654,
0.1259


235.2473, 0.2968,
0.2183


 10.2438, 0.2558,
0.1070


 38.3481, 0.2783,
0.1566


 5.5609, 0.2427,
0.0853


 53.6828, 0.2827,
0.1690


 2.5800, 0.2246,
0.0610


 72.6414, 0.2863,
0.1799

 0.9166, 0.1988,
0.0356

 95.6083, 0.2892,
0.1895

 0.0000, 0.1639,
0.0000

 122.9680, 0.2916,
0.1980

 0.0000, 0.1104,
0.0000

 155.1048, 0.2936,

 0.0000, 0.0000,

0.2055

0.0000

192.4031, 0.2954,
0.2123

■ 17.0130, 0.2654,
0.1259

■ 17.0130, 0.2654,
0.1259

■ 16.0935, 0.2609,
0.1211

■ 18.9166, 0.2717,
0.1358

■ 21.8416, 0.2782,
0.1505

■ 25.9446, 0.2845,
0.1695

■ 31.3544, 0.2905,
0.1922

■ 38.1830, 0.2961,
0.2173

■ 46.5299, 0.3010,
0.2439

■ 56.4859, 0.3053,
0.2708

■ 68.1343, 0.3090,
0.2972

■ 81.5527, 0.3120,
0.3225

Harmonies

Analogous

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



17.0130, 0.1347, 0.0970



17.0130, 0.2654, 0.1259



17.0130, 0.4801, 0.1872

Triad

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



17.0130, 0.2654, 0.1259



17.0130, 0.5386, 0.4614



17.0130, 0.0606, 0.2610

Complementary

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



17.0130, 0.2654, 0.1259



62.4512, 0.3114, 0.5866

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.



17.0130, 0.1173, 0.5495



17.0130, 0.2654, 0.1259



17.0130, 0.3812, 0.6188

Square

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



17.0130, 0.2654, 0.1259



17.0130, 0.6540, 0.3460



17.0130, 0.2339, 0.7303



17.0130, 0.0531, 0.1365

Rectangle

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



17.0130, 0.2654, 0.1259



17.0130, 0.6123, 0.2385



17.0130, 0.2339, 0.7303



17.0130, 0.0721, 0.3389

Sweetspot

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



17.0137, 0.2654, 0.1259



59.5387, 0.3031, 0.2563



10.9990, 0.1623, 0.0990



11.7101, 0.3011, 0.2446



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.



17.0137, 0.2654, 0.1259



18.7997, 0.2607, 0.1210



21.9959, 0.3906, 0.1953



15.8325, 0.3100, 0.3055



9.0437, 0.2619, 0.1216



0.7971, 0.2700, 0.1261

Inverse Universe

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



19.0195, 0.5799, 0.3018



21.5880, 0.6017, 0.3089



61.7258, 0.2904, 0.5603



15.8200, 0.3256, 0.3234



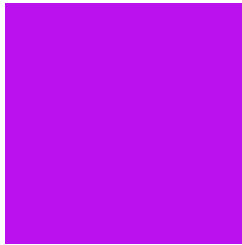
10.3178, 0.5972, 0.3064



0.8733, 0.5607, 0.2862

Previews

White Background



This preview shows how the Yxy color 17.0130, 0.2654, 0.1259 looks on a white background.

Color Contrast Check

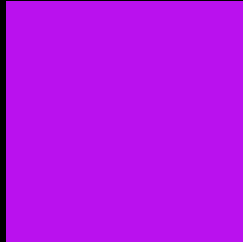
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0130, 0.2654, 0.1259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

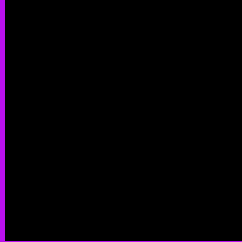
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0130, 0.2654, 0.1259

Background



This preview shows how black text looks on a background with the Yxy color 17.0130, 0.2654, 0.1259.



This preview shows how white text looks on a background with the Yxy color 17.0130, 0.2654, 0.1259.

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

17.0130, 0.2654, 0.1259

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.4131, 0.1838, 0.1817



Tritanopia

17.0520, 0.4121, 0.3183

Trichromacy



Original Color

17.0130, 0.2654, 0.1259



Protanomaly

12.5928, 0.1778, 0.1110



Deuteranomaly

12.1758, 0.1837, 0.1244



Tritanomaly

15.0150, 0.3506, 0.2125

Monochromacy



Original Color

17.0130, 0.2654, 0.1259



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.4838, 0.2902, 0.1915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0130, 0.2654, 0.1259 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(186, 17, 238)` looks like.

```
.text, #text, p{  
    color:rgb(186, 17, 238)  
}
```

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(186, 17, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 17, 238) }
```

Border

The CSS property to change the border of an element to Yxy 17.0130, 0.2654, 0.1259 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(186, 17, 238) }
```

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

```
.border{ border-color:rgb(186, 17, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 17, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 17, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 17, 238);  
box-shadow:4px 4px 4px 4px rgb(186, 17,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0130, 0.2654, 0.1259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 17, 238) }
```

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

```
.background{ background-color: rgb(186, 17,  
238) }
```

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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