

Converting Colors

$Y_{xy}(18.7909, 0.2740, 0.1330)$

Have a look what the booklet for
Yxy(18.7909, 0.2740, 0.1330)
contains.

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Color

Yxy(18.7721, 0.2734, 0.1327)

Conversions

Conversions Part 1

Format	Color
Hex	C31DF0
RGB	195, 29, 240
RGB Percent	76%, 11%, 94%
CMY	0.2352, 0.8864, 0.0589
CMYK	0.19, 0.88, 0.00, 0.06
HSL	287°, 88%, 53%
HSV	287°, 88%, 94%
XYZ	38.6759, 18.7721, 84.0147
YIQ	102.6880, 31.2050, 100.8130

Conversions

Conversions Part 2

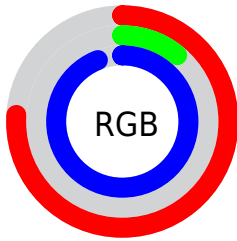
Format	Color
R _{YB}	195, 29, 240
Decimal	12787184
CIE Lab	50.42, 84.22, -68.92
CIE LCh	50, 108.830, 320.705
Yxy	18.7721, 0.2734, 0.1327
Android (android.graphics.Color)	4290977264 (0xFFC31DF0)
YUV	102.6880, 67.6948, 80.9576
Hunter-Lab	43.3268, 83.5172, -84.6401

Details

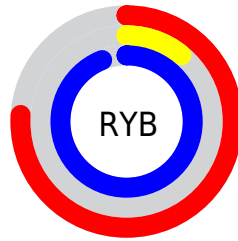
The Yxy color **18.7721, 0.2734, 0.1327** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **63.8558, 0.3116, 0.5819**, and the grayscale version is **13.2855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **8.5698, 0.2554, 0.1181** is the 20% darker color. If you saturate the color by 10%, you get **17.3339, 0.2678, 0.1255**, and if you desaturate by 10%, it is **21.1318, 0.2792, 0.1444**.

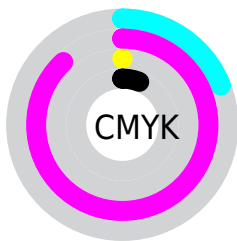
Distribution



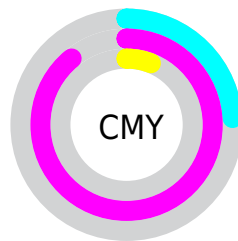
- Red (76%)
- Green (11%)
- Blue (94%)



- Red (76%)
- Yellow (11%)
- Blue (94%)



- Cyan (19%)
- Magenta (88%)
- Yellow (0%)
- Black (6%)




- Cyan (24%)
- Magenta (89%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7721, 0.2734, 0.1327 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 18.7721, 0.2734, 0.1327 by changing the saturation by 10% instead.


 18.7721, 0.2734,
0.1327


 18.7721, 0.2734,
0.1327


245.1877, 0.3001,
0.2218


 11.5057, 0.2651,
0.1143


 41.3486, 0.2845,
0.1624


 6.4081, 0.2537,
0.0931


 57.4276, 0.2883,
0.1744


 3.0948, 0.2378,
0.0690


 77.2129, 0.2913,
0.1848

 1.1814, 0.2149,
0.0429

 101.0888, 0.2938,
0.1940

 0.0464, 0.1840,
0.0030

 129.4399, 0.2958,
0.2022

 0.0000, 0.1326,
0.0000

 162.6505, 0.2975,

 0.0000, 0.0000,

0.2095

0.0000

201.1050, 0.2989,
0.2160

■ 18.7721, 0.2734,
0.1327

■ 18.7721, 0.2734,
0.1327

■ 17.3339, 0.2678,
0.1255

■ 21.1318, 0.2792,
0.1444

■ 17.0904, 0.2666,
0.1242

■ 24.6080, 0.2849,
0.1607

■ 29.3458, 0.2905,
0.1811

■ 35.4676, 0.2956,
0.2047

■ 43.0810, 0.3003,
0.2303

■ 52.2832, 0.3044,
0.2570

■ 63.1629, 0.3079,
0.2836

■ 75.8022, 0.3108,
0.3094

■ 90.2778, 0.3132,
0.3340

Harmonies

Analogous

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



18.7721, 0.1427, 0.1028



18.7721, 0.2734, 0.1327



18.7721, 0.4806, 0.1944

Triad

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



18.7721, 0.2734, 0.1327



18.7721, 0.5319, 0.4681



18.7721, 0.0661, 0.2597

Complementary

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



18.7721, 0.2734, 0.1327



63.8558, 0.3116, 0.5819

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.



18.7721, 0.1225, 0.5284



18.7721, 0.2734, 0.1327



18.7721, 0.3814, 0.6186

Square

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



18.7721, 0.2734, 0.1327



18.7721, 0.6425, 0.3539



18.7721, 0.2382, 0.7128



18.7721, 0.0585, 0.1407

Rectangle

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



18.7721, 0.2734, 0.1327



18.7721, 0.6050, 0.2456



18.7721, 0.2382, 0.7128



18.7721, 0.0777, 0.3326

Sweetspot

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



18.7728, 0.2734, 0.1327



62.1646, 0.3051, 0.2619



11.5411, 0.1644, 0.1013



12.4482, 0.3038, 0.2526



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.



18.7728, 0.2734, 0.1327



19.5908, 0.2664, 0.1241



22.7039, 0.3962, 0.2015



15.8516, 0.3104, 0.3055



9.4163, 0.2675, 0.1247



0.8252, 0.2749, 0.1288

Inverse Universe

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



19.8940, 0.5713, 0.3022



21.5295, 0.6081, 0.3124



63.2920, 0.2869, 0.5428



15.8140, 0.3260, 0.3240



10.2883, 0.6038, 0.3100



0.8701, 0.5681, 0.2903

Previews

White Background



This preview shows how the Yxy color 18.7721, 0.2734, 0.1327 looks on a white background.

Color Contrast Check

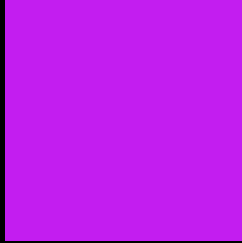
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7721, 0.2734, 0.1327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

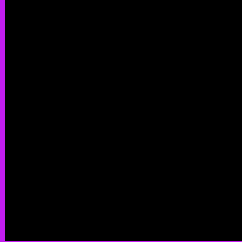
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7721, 0.2734, 0.1327

Background



This preview shows how black text looks on a background with the Yxy color 18.7721, 0.2734, 0.1327.



This preview shows how white text looks on a background with the Yxy color 18.7721, 0.2734, 0.1327.

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

18.7721, 0.2734, 0.1327

Deuteranopia

19.1238, 0.1834, 0.1800

Tritanopia

18.7790, 0.4191, 0.3189

Trichromacy



Original Color

18.7721, 0.2734, 0.1327



Deuteranomaly

13.9206, 0.1854, 0.1306



Tritanomaly

17.0019, 0.3604, 0.2221

Monochromacy



Original Color

18.7721, 0.2734, 0.1327



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.7030, 0.2944, 0.2023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7721, 0.2734, 0.1327 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(195, 29, 240)` looks like.

```
.text, #text, p{  
    color:rgb(195, 29, 240)  
}
```

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(195, 29, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 29, 240) }
```

Border

The CSS property to change the border of an element to Yxy 18.7721, 0.2734, 0.1327 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(195, 29, 240) }
```

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

```
.border{ border-color:rgb(195, 29, 240) }
```

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

Here you see how a box with a 4 pixel rgb(195, 29, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 29, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 29, 240);  
box-shadow:4px 4px 4px 4px rgb(195, 29,  
240) }
```

Background

The CSS property to change the background color of an element to Yxy 18.7721, 0.2734, 0.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 29, 240) }
```

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

```
.background{ background-color: rgb(195, 29,  
240) }
```

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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