

Converting Colors

$Y_{xy}(18.7481, 0.3204, 0.1646)$

Have a look what the booklet for
Yxy(18.7481, 0.3204, 0.1646)
contains.

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Color

Yxy(18.7829, 0.3204, 0.1645)

Conversions

Conversions Part 1

Format	Color
Hex	CC29CC
RGB	204, 41, 204
RGB Percent	80%, 16%, 80%
CMY	0.2002, 0.8388, 0.2001
CMYK	0.00, 0.80, 0.00, 0.20
HSL	300°, 66%, 48%
HSV	300°, 80%, 80%
XYZ	36.5838, 18.7829, 58.8150
YIQ	108.3190, 44.8250, 85.2490

Conversions

Conversions Part 2

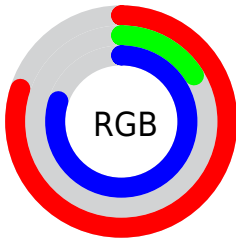
Format	Color
R_{YB}	204, 41, 204
Decimal	13380044
CIE _{Lab}	50.43, 77.36, -48.34
CIE _{LCh}	50, 91.226, 327.999
Yxy	18.7829, 0.3204, 0.1645
Android (android.graphics.Color)	4291570124 (0xFFCC29CC)
YUV	108.3190, 47.1707, 83.9122
Hunter-Lab	43.3392, 74.8330, -50.1241

Details

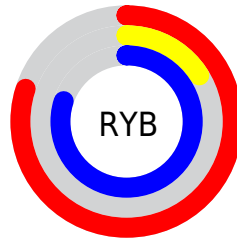
The Yxy color **18.7829, 0.3204, 0.1645** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **43.8141, 0.3011, 0.5759**, and the grayscale version is **14.9603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **8.1897, 0.3143, 0.1505** is the 20% darker color. If you saturate the color by 10%, you get **17.7157, 0.3207, 0.1576**, and if you desaturate by 10%, it is **20.5827, 0.3199, 0.1756**.

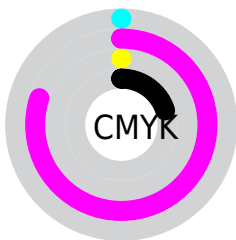
Distribution



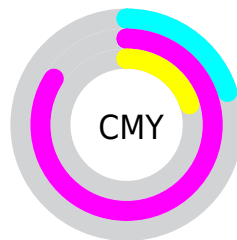
- Red (80%)
- Green (16%)
- Blue (80%)



- Red (80%)
- Yellow (16%)
- Blue (80%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (20%)




- Cyan (20%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7829, 0.3204, 0.1645 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 18.7829, 0.3204, 0.1645 by changing the saturation by 10% instead.


 18.7829, 0.3204,
0.1645

 18.7829, 0.3204,
0.1645


245.2476, 0.3210,
0.2438


 11.5135, 0.3187,
0.1465


 41.3669, 0.3217,
0.1922


 6.4133, 0.3157,
0.1246


 57.4504, 0.3219,
0.2029


 3.0980, 0.3100,
0.0981


 77.2406, 0.3219,
0.2122

 1.1831, 0.2994,
0.0665

 101.1220, 0.3218,
0.2202

 0.0479, 0.2858,
0.0055

 129.4790, 0.3216,
0.2272

 0.0000, 0.2360,
0.0000

162.6961, 0.3214,

 0.0000, 0.0000,

0.2334

0.0000

201.1574, 0.3212,
0.2389

■ 18.7829, 0.3204,
0.1645

■ 18.7829, 0.3204,
0.1645

■ 17.7157, 0.3207,
0.1576

■ 20.5827, 0.3199,
0.1756

■ 17.1963, 0.3209,
0.1542

■ 23.2116, 0.3192,
0.1909

■ 17.1895, 0.3209,
0.1541

■ 26.7542, 0.3183,
0.2099

■ 31.2843, 0.3173,
0.2317

■ 36.8678, 0.3162,
0.2554

■ 43.5651, 0.3150,
0.2802

■ 51.4320, 0.3138,
0.3050

■ 60.5207, 0.3127,
0.3294

■ 70.8800, 0.3116,
0.3526

Harmonies

Analogous

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



18.7829, 0.1845, 0.1278



18.7829, 0.3204, 0.1645



18.7829, 0.4995, 0.2293

Triad

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



18.7829, 0.3204, 0.1645



18.7829, 0.4956, 0.5044



18.7829, 0.0845, 0.2394

Complementary

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



18.7829, 0.3204, 0.1645



43.8141, 0.3011, 0.5759

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.



18.7829, 0.1308, 0.4345



18.7829, 0.3204, 0.1645



18.7829, 0.3635, 0.6217

Square

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



18.7829, 0.3204, 0.1645



18.7829, 0.5944, 0.3916



18.7829, 0.2339, 0.6330



18.7829, 0.0819, 0.1500

Rectangle

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



18.7829, 0.3204, 0.1645



18.7829, 0.5891, 0.2802



18.7829, 0.2339, 0.6330



18.7829, 0.0939, 0.2917

Sweetspot

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



18.7838, 0.3204, 0.1645



66.9727, 0.3155, 0.2691



6.6206, 0.1649, 0.0859



13.4966, 0.3159, 0.2602



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.



18.7838, 0.3204, 0.1645



28.6936, 0.3208, 0.1550



15.9160, 0.4434, 0.2399



11.4037, 0.3138, 0.3062



10.8210, 0.3209, 0.1541



0.5583, 0.3209, 0.1541

Inverse Universe

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



14.5897, 0.5899, 0.3298



21.5039, 0.6353, 0.3300



45.0047, 0.2699, 0.4691



11.2137, 0.3290, 0.3290



8.0801, 0.6401, 0.3300



0.4169, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 18.7829, 0.3204, 0.1645 looks on a white background.

Color Contrast Check

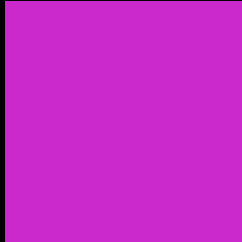
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7829, 0.3204, 0.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

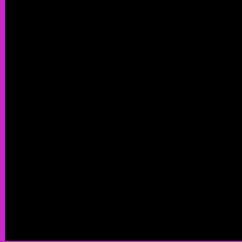
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7829, 0.3204, 0.1645

Background



This preview shows how black text looks on a background with the Yxy color 18.7829, 0.3204, 0.1645.



This preview shows how white text looks on a background with the Yxy color 18.7829, 0.3204, 0.1645.

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

18.7829, 0.3204, 0.1645

Protanopia

19.2062, 0.1735, 0.1447

Deuteranopia

19.1873, 0.2140, 0.2086



Tritanopia

18.8132, 0.4637, 0.3216

Trichromacy



Original Color

18.7829, 0.3204, 0.1645



Protanomaly

14.3701, 0.1851, 0.1278



Deuteranomaly

15.9706, 0.2391, 0.1719



Tritanomaly

17.8095, 0.4106, 0.2505

Monochromacy



Original Color

18.7829, 0.3204, 0.1645



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.1635, 0.3173, 0.2310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7829, 0.3204, 0.1645 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(204, 41, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 41, 204)  
}
```

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(204, 41, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 41, 204) }
```

Border

The CSS property to change the border of an element to Yxy 18.7829, 0.3204, 0.1645 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(204, 41, 204) }
```

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

```
.border{ border-color:rgb(204, 41, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 41, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 41, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 41, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 41,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7829, 0.3204, 0.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 41, 204) }
```

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

```
.background{ background-color: rgb(204, 41,  
204) }
```

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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