

Converting Colors

$Y_{xy}(20.3710, 0.3027, 0.1499)$

Have a look what the booklet for
Yxy(20.3710, 0.3027, 0.1499)
contains.

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Color

Yxy(20.4280, 0.3030, 0.1501)

Conversions

Conversions Part 1

Format	Color
Hex	D320E3
RGB	211, 32, 227
RGB Percent	83%, 13%, 89%
CMY	0.1727, 0.8741, 0.1099
CMYK	0.07, 0.86, 0.00, 0.11
HSL	295°, 78%, 51%
HSV	295°, 86%, 89%
XYZ	41.2371, 20.4280, 74.4309
YIQ	107.7510, 44.0890, 98.5930

Conversions

Conversions Part 2

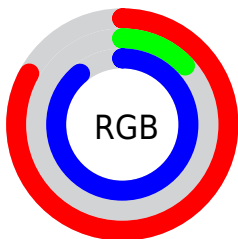
Format	Color
R _Y B	211, 32, 227
Decimal	13836515
CIE Lab	52.32, 84.05, -58.39
CIE LCh	52, 102.339, 325.209
Yxy	20.4280, 0.3030, 0.1501
Android (android.graphics.Color)	4292026595 (0xFFD320E3)
YUV	107.7510, 58.7898, 90.5494
Hunter-Lab	45.1973, 83.7641, -66.0005

Details

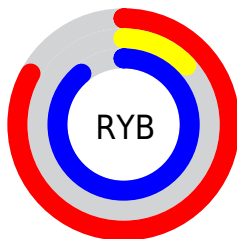
The Yxy color **20.4280, 0.3030, 0.1501** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **55.6660, 0.3041, 0.5847**, and the grayscale version is **14.7633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **9.5196, 0.2918, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **19.3202, 0.3009, 0.1443**, and if you desaturate by 10%, it is **22.3815, 0.3050, 0.1602**.

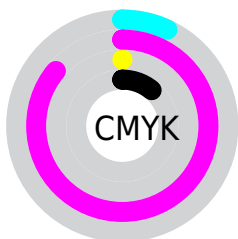
Distribution



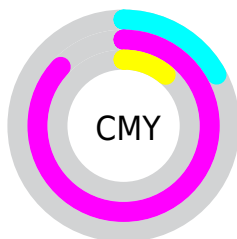
- Red (83%)
- Green (13%)
- Blue (89%)



- Red (83%)
- Yellow (13%)
- Blue (89%)



- Cyan (7%)
- Magenta (86%)
- Yellow (0%)
- Black (11%)




- Cyan (17%)
- Magenta (87%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4280, 0.3030, 0.1501 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 20.4280, 0.3030, 0.1501 by changing the saturation by 10% instead.


 20.4280, 0.3030,
0.1501


 20.4280, 0.3030,
0.1501


254.2228, 0.3136,
0.2329


 12.7065, 0.2987,
0.1323


 44.1336, 0.3081,
0.1782


 7.2268, 0.2924,
0.1113


 60.8865, 0.3097,
0.1893


 3.6043, 0.2828,
0.0866


 81.4187, 0.3108,
0.1990

 1.4548, 0.2675,
0.0585

 106.1146, 0.3117,
0.2075

 0.2566, 0.2446,
0.0191

 135.3586, 0.3124,
0.2150

 0.0000, 0.2002,
0.0000

169.5350, 0.3129,

 0.0000, 0.0759,

0.2216

0.0000

209.0283, 0.3133,
0.2275

■ 0.0000, 0.0000,
0.0000

■ 20.4280, 0.3030,
0.1501

■ 20.4280, 0.3030,
0.1501

■ 19.3202, 0.3009,
0.1443

■ 22.3815, 0.3050,
0.1602

■ 19.0031, 0.3001,
0.1427

■ 25.3268, 0.3068,
0.1746

■ 29.3854, 0.3084,
0.1931

■ 34.6607, 0.3097,
0.2148

■ 41.2443, 0.3108,
0.2388

■ 49.2189, 0.3116,
0.2640

■ 58.6606, 0.3122,
0.2896

■ 69.6396, 0.3126,
0.3147

■ 82.2221, 0.3128,
0.3389

Harmonies

Analogous

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



20.4280, 0.1664, 0.1157



20.4280, 0.3030, 0.1501



20.4280, 0.4974, 0.2145

Triad

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



20.4280, 0.3030, 0.1501



20.4280, 0.5088, 0.4912



20.4280, 0.0746, 0.2435

Complementary

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



20.4280, 0.3030, 0.1501



55.6660, 0.3041, 0.5847

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.



20.4280, 0.1244, 0.4686



20.4280, 0.3030, 0.1501



20.4280, 0.3702, 0.6298

Square

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



20.4280, 0.3030, 0.1501



20.4280, 0.6156, 0.3764



20.4280, 0.2333, 0.6727



20.4280, 0.0703, 0.1435

Rectangle

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



20.4280, 0.3030, 0.1501



20.4280, 0.6012, 0.2656



20.4280, 0.2333, 0.6727



20.4280, 0.0847, 0.3035

Sweetspot

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



20.4289, 0.3030, 0.1501



63.7275, 0.3116, 0.2632



7.9972, 0.1603, 0.0825



12.8246, 0.3114, 0.2543



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.



20.4289, 0.3030, 0.1501



24.7199, 0.2999, 0.1426



19.4364, 0.4360, 0.2268



14.5518, 0.3125, 0.3058



11.1090, 0.3004, 0.1429



0.8388, 0.3036, 0.1446

Inverse Universe

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



17.5821, 0.5974, 0.3209



21.3140, 0.6333, 0.3263



56.4377, 0.2762, 0.5018



14.3871, 0.3280, 0.3271



9.5578, 0.6308, 0.3248



0.7130, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 20.4280, 0.3030, 0.1501 looks on a white background.

Color Contrast Check

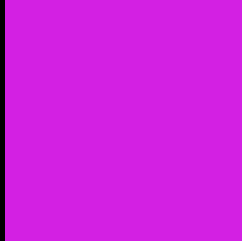
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4280, 0.3030, 0.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

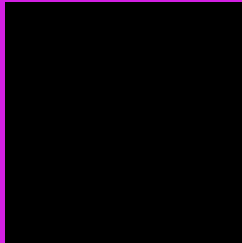
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4280, 0.3030, 0.1501

Background



This preview shows how black text looks on a background with the Yxy color 20.4280, 0.3030, 0.1501.



This preview shows how white text looks on a background with the Yxy color 20.4280, 0.3030, 0.1501.

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

20.4280, 0.3030, 0.1501

Protanopia

20.9963, 0.1749, 0.1464

Deuteranopia

20.9944, 0.1979, 0.1924



Tritanopia

20.4653, 0.4547, 0.3216

Trichromacy



Original Color

20.4280, 0.3030, 0.1501



Protanomaly

15.7158, 0.1870, 0.1230



Deuteranomaly

16.4136, 0.2172, 0.1505



Tritanomaly

18.9993, 0.3955, 0.2383

Monochromacy



Original Color

20.4280, 0.3030, 0.1501



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

13.9914, 0.3095, 0.2151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4280, 0.3030, 0.1501 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(211, 32, 227)` looks like.

```
.text, #text, p{  
  color:rgb(211, 32, 227)  
}
```

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(211, 32, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 32, 227) }
```

Border

The CSS property to change the border of an element to Yxy 20.4280, 0.3030, 0.1501 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(211, 32, 227) }
```

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

```
.border{ border-color:rgb(211, 32, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 32, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 32, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 32, 227);  
box-shadow:4px 4px 4px 4px rgb(211, 32,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4280, 0.3030, 0.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 32, 227) }
```

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

```
.background{ background-color: rgb(211, 32,  
227) }
```

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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