

Converting Colors

$Y_{xy}(20.1036, 0.2701, 0.1261)$

Have a look what the booklet for
Yxy(20.1036, 0.2701, 0.1261)
contains.

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Color

Yxy(20.0574, 0.2698, 0.1260)

Conversions

Conversions Part 1

Format	Color
Hex	CC00FF
RGB	204, 0, 255
RGB Percent	80%, 0%, 100%
CMY	0.2000, 0.9997, 0.0002
CMYK	0.20, 1.00, 0.00, 0.00
HSL	288°, 100%, 50%
HSV	288°, 100%, 100%
XYZ	42.9483, 20.0574, 96.1800
YIQ	90.0660, 39.7290, 122.5530

Conversions

Conversions Part 2

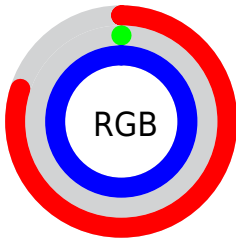
Format	Color
RYB	204, 0, 255
Decimal	13369599
CIELab	51.90, 91.00, -74.83
CIELCh	52, 117.814, 320.571
Yxy	20.0574, 0.2698, 0.1260
Android (android.graphics.Color)	4291559679 (0xFFCC00FF)
YUV	90.0660, 81.3125, 99.9201
Hunter-Lab	44.7855, 92.8030, -95.9796

Details

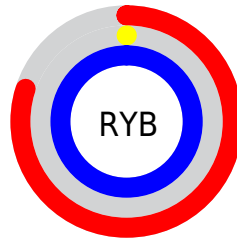
The Yxy color **20.0574, 0.2698, 0.1260** is a light color, and the websafe version is hex **CC00FF**, and the color name is **vivid orchid**. The color can be described as light saturated magenta. A complement of this color would be **72.1981, 0.3060, 0.5952**, and the grayscale version is **10.0594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.8709, 0.2522, 0.1163** is the 20% darker color. If you saturate the color by 10%, you get **20.0540, 0.2698, 0.1260**, and if you desaturate by 10%, it is **21.5087, 0.2751, 0.1323**.

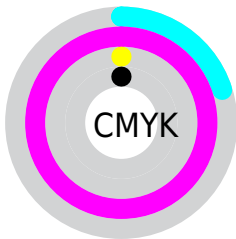
Distribution



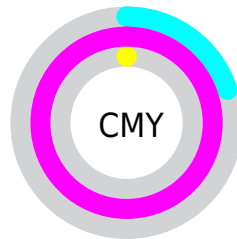
- Red (80%)
- Green (0%)
- Blue (100%)



- Red (80%)
- Yellow (0%)
- Blue (100%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0574, 0.2698, 0.1260 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 20.0574, 0.2698, 0.1260 by changing the saturation by 10% instead.


 20.0574, 0.2698,
0.1260


 20.0574, 0.2698,
0.1260


252.2257, 0.2984,
0.2155


 12.4368, 0.2612,
0.1082


 43.5134, 0.2814,
0.1552


 7.0419, 0.2497,
0.0879


 60.1176, 0.2855,
0.1672

 3.4883, 0.2340,
0.0652


 80.4850, 0.2887,
0.1777


 1.3917, 0.2118,
0.0411

 105.0002, 0.2914,
0.1871

 0.2106, 0.1818,
0.0106

 134.0474, 0.2936,
0.1954

 0.0000, 0.1364,
0.0000

 168.0112, 0.2955,

 0.0000, 0.0606,

0.2028

0.0000

207.2758, 0.2971,
0.2094

■ 0.0000, 0.0000,
0.0000

■ 20.0574, 0.2698,
0.1260

■ 20.0574, 0.2698,
0.1260

■ 20.0540, 0.2698,
0.1260

■ 21.5087, 0.2751,
0.1323

■ 23.9185, 0.2805,
0.1427

■ 27.5720, 0.2859,
0.1577

■ 32.6440, 0.2911,
0.1771

■ 39.2810, 0.2960,
0.1999

■ 47.6113, 0.3004,
0.2250

■ 57.7494, 0.3043,
0.2514

■ 69.8001, 0.3077,
0.2781

■ 83.8600, 0.3105,
0.3042

Harmonies

Analogous

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



20.0574, 0.1360, 0.0962



20.0574, 0.2698, 0.1260



20.0574, 0.4879, 0.1882

Triad

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



20.0574, 0.2698, 0.1260



20.0574, 0.5351, 0.4649



20.0574, 0.0585, 0.2544

Complementary

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



20.0574, 0.2698, 0.1260



72.1981, 0.3060, 0.5952

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.



20.0574, 0.1130, 0.5427



20.0574, 0.2698, 0.1260



20.0574, 0.3756, 0.6244

Square

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



20.0574, 0.2698, 0.1260



20.0574, 0.6530, 0.3470



20.0574, 0.2283, 0.7341



20.0574, 0.0522, 0.1332

Rectangle

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



20.0574, 0.2698, 0.1260



20.0574, 0.6190, 0.2396



20.0574, 0.2283, 0.7341



20.0574, 0.0695, 0.3311

Sweetspot

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



20.0582, 0.2698, 0.1260



57.7344, 0.3043, 0.2513



9.5906, 0.1548, 0.0772



11.3942, 0.3027, 0.2401



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.



20.0582, 0.2698, 0.1260



20.0614, 0.2698, 0.1260



24.4882, 0.4168, 0.2070



18.1062, 0.3106, 0.3054



10.5470, 0.2707, 0.1265



1.0713, 0.2767, 0.1298

Inverse Universe

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



21.4932, 0.6115, 0.3142



21.4988, 0.6116, 0.3143



72.0233, 0.2897, 0.5628



18.0464, 0.3263, 0.3243



11.2502, 0.6080, 0.3123



1.1100, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 20.0574, 0.2698, 0.1260 looks on a white background.

Color Contrast Check

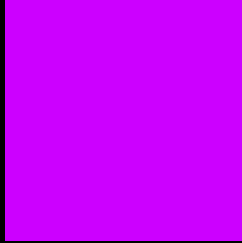
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0574, 0.2698, 0.1260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

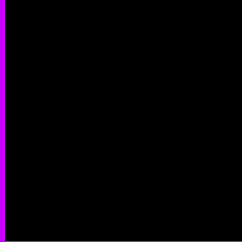
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0574, 0.2698, 0.1260

Background



This preview shows how black text looks on a background with the Yxy color 20.0574, 0.2698, 0.1260.



This preview shows how white text looks on a background with the Yxy color 20.0574, 0.2698, 0.1260.

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

20.0574, 0.2698, 0.1260

Protanopia

20.8305, 0.1741, 0.1467

Deuteranopia

20.7661, 0.1837, 0.1813



Tritanopia

20.2432, 0.4218, 0.3193

Trichromacy



Original Color

20.0574, 0.2698, 0.1260



Protanomaly

13.9194, 0.1763, 0.1050



Deuteranomaly

13.3389, 0.1818, 0.1168



Tritanomaly

17.3164, 0.3604, 0.2097

Monochromacy



Original Color

20.0574, 0.2698, 0.1260



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.9536, 0.2906, 0.1771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0574, 0.2698, 0.1260 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 255)  
}
```

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, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.0574, 0.2698, 0.1260 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, 0, 255) }
```

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

```
.border{ border-color:rgb(204, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0574, 0.2698, 0.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 255) }
```

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

```
.background{ background-color: rgb(204, 0,  
255) }
```

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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