

Converting Colors

$Y_{xy}(20.8663, 0.2754, 0.1291)$

Have a look what the booklet for
Yxy(20.8663, 0.2754, 0.1291)
contains.

Yxy(20.9216, 0.2757, 0.1293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.9216, 0.2757, 0.1293)

Conversions

Conversions Part 1

Format	Color
Hex	D201FF
RGB	210, 1, 255
RGB Percent	82%, 0%, 100%
CMY	0.1767, 0.9977, 0.0001
CMYK	0.18, 1.00, 0.00, 0.00
HSL	289°, 100%, 50%
HSV	289°, 100%, 100%
XYZ	44.6101, 20.9216, 96.2750
YIQ	92.4470, 43.0300, 123.3020

Conversions

Conversions Part 2

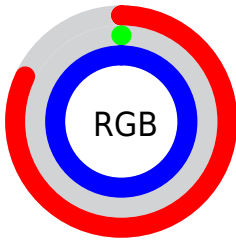
Format	Color
R _Y B	210, 1, 255
Decimal	13763071
CIE Lab	52.86, 91.74, -73.23
CIE LCh	53, 117.387, 321.402
Yxy	20.9216, 0.2757, 0.1293
Android (android.graphics.Color)	4291953151 (0xFFD201FF)
YUV	92.4470, 80.1386, 103.0940
Hunter-Lab	45.7401, 94.0448, -92.7769

Details

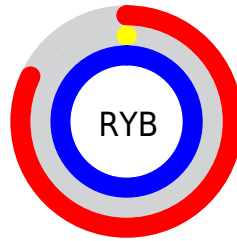
The Yxy color **20.9216, 0.2757, 0.1293** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.0786, 0.3048, 0.5960**, and the grayscale version is **10.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.4208, 0.2597, 0.1204** is the 20% darker color. If you saturate the color by 10%, you get **20.8951, 0.2756, 0.1292**, and if you desaturate by 10%, it is **22.3237, 0.2804, 0.1352**.

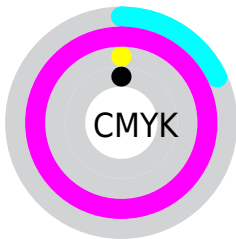
Distribution



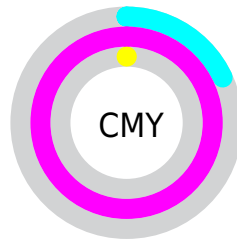
- Red (82%)
- Green (0%)
- Blue (100%)



- Red (82%)
- Yellow (0%)
- Blue (100%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9216, 0.2757, 0.1293 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 20.9216, 0.2757, 0.1293 by changing the saturation by 10% instead.


 20.9216, 0.2757,
0.1293

 20.9216, 0.2757,
0.1293


256.8616, 0.3011,
0.2173


 13.0667, 0.2679,
0.1117


 44.9570, 0.2862,
0.1581

 7.4745, 0.2574,
0.0915


 61.9063, 0.2898,
0.1699


 3.7606, 0.2429,
0.0689


 82.6559, 0.2927,
0.1802

 1.5406, 0.2223,
0.0446

 107.5901, 0.2950,
0.1894

 0.3170, 0.1936,
0.0156

 137.0934, 0.2970,
0.1975

 0.0000, 0.1502,
0.0000

 171.5502, 0.2986,


 0.0000, 0.0814,


0.2048


0.0000


211.3447, 0.3000,
0.2114


 0.0000, 0.0000,
0.0000

 20.9216, 0.2757,
0.1293


 20.9216, 0.2757,
0.1293


 20.8951, 0.2756,
0.1292

 22.3237, 0.2804,
0.1352

 24.6901, 0.2851,
0.1453

 28.2992, 0.2898,
0.1599

 33.3250, 0.2944,
0.1789

 39.9136, 0.2986,
0.2013

■ 48.1927, 0.3024,
0.2261

■ 58.2769, 0.3057,
0.2523

■ 70.2706, 0.3086,
0.2787

■ 84.2702, 0.3109,
0.3047

Harmonies

Analogous

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



20.9216, 0.1405, 0.0986



20.9216, 0.2757, 0.1293



20.9216, 0.4915, 0.1921

Triad

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



20.9216, 0.2757, 0.1293



20.9216, 0.5303, 0.4697



20.9216, 0.0602, 0.2510

Complementary

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



20.9216, 0.2757, 0.1293



72.0786, 0.3048, 0.5960

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.



20.9216, 0.1137, 0.5295



20.9216, 0.2757, 0.1293



20.9216, 0.3732, 0.6268

Square

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



20.9216, 0.2757, 0.1293



20.9216, 0.6481, 0.3519



20.9216, 0.2280, 0.7274



20.9216, 0.0544, 0.1338

Rectangle

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



20.9216, 0.2757, 0.1293



20.9216, 0.6184, 0.2435



20.9216, 0.2280, 0.7274



20.9216, 0.0709, 0.3248

Sweetspot

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



20.9224, 0.2757, 0.1293



58.0410, 0.3057, 0.2517



9.2725, 0.1542, 0.0749



11.4682, 0.3043, 0.2405



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.



20.9224, 0.2757, 0.1293



20.8993, 0.2756, 0.1292



24.3403, 0.4230, 0.2105



18.1281, 0.3109, 0.3054



10.9796, 0.2764, 0.1296



1.1097, 0.2817, 0.1326

Inverse Universe

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



21.4624, 0.6165, 0.3171



21.4506, 0.6170, 0.3173



72.1051, 0.2885, 0.5584



18.0396, 0.3266, 0.3248



11.2235, 0.6137, 0.3155



1.1065, 0.5851, 0.2997

Previews

White Background



This preview shows how the Yxy color 20.9216, 0.2757, 0.1293 looks on a white background.

Color Contrast Check

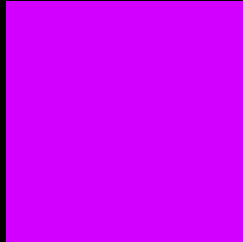
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9216, 0.2757, 0.1293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

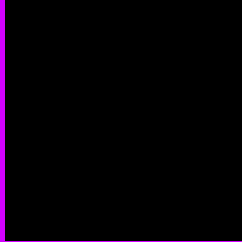
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9216, 0.2757, 0.1293

Background



This preview shows how black text looks on a background with the Yxy color 20.9216, 0.2757, 0.1293.



This preview shows how white text looks on a background with the Yxy color 20.9216, 0.2757, 0.1293.

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

20.9433, 0.2758, 0.1294

Protanopia

21.6772, 0.1775, 0.1497

Deuteranopia

21.5667, 0.1833, 0.1798



Tritanopia

21.1230, 0.4306, 0.3198

Trichromacy



Original Color

20.9433, 0.2758, 0.1294



Protanomaly

15.1556, 0.1869, 0.1107



Deuteranomaly

13.8961, 0.1825, 0.1179



Tritanomaly

18.1103, 0.3683, 0.2131

Monochromacy



Original Color

20.9433, 0.2758, 0.1294



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5132, 0.2952, 0.1811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9216, 0.2757, 0.1293 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(210, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 1, 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(210, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 1, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.9216, 0.2757, 0.1293 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(210, 1, 255) }
```

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

```
.border{ border-color:rgb(210, 1, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 1, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 1,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9216, 0.2757, 0.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 1, 255) }
```

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

```
.background{ background-color: rgb(210, 1,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor