

Converting Colors

$Y_{xy}(20.2997, 0.2705, 0.1271)$

Have a look what the booklet for
Yxy(20.2997, 0.2705, 0.1271)
contains.

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Color

Yxy(20.3511, 0.2708, 0.1273)

Conversions

Conversions Part 1

Format	Color
Hex	CD07FF
RGB	205, 7, 255
RGB Percent	80%, 3%, 100%
CMY	0.1962, 0.9713, 0.0001
CMYK	0.20, 0.97, 0.00, 0.00
HSL	288°, 100%, 51%
HSV	288°, 97%, 100%
XYZ	43.2920, 20.3511, 96.2241
YIQ	94.4740, 38.4000, 119.1040

Conversions

Conversions Part 2

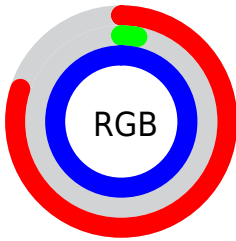
Format	Color
R_{YB}	205, 7, 255
Decimal	13436927
CIE _{Lab}	52.23, 90.60, -74.29
CIE _{LCh}	52, 117.162, 320.651
Yxy	20.3511, 0.2708, 0.1273
Android (android.graphics.Color)	4291627007 (0xFFCD07FF)
YUV	94.4740, 79.1393, 96.9313
Hunter-Lab	45.1122, 92.3517, -94.8868

Details

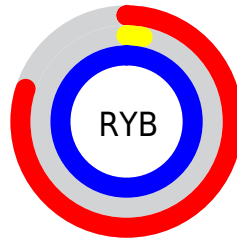
The Yxy color **20.3511, 0.2708, 0.1273** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.3927, 0.3071, 0.5929**, and the grayscale version is **11.1579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **9.9605, 0.2534, 0.1170** is the 20% darker color. If you saturate the color by 10%, you get **19.9838, 0.2693, 0.1257**, and if you desaturate by 10%, it is **22.0146, 0.2762, 0.1345**.

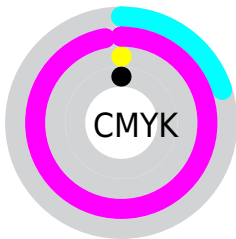
Distribution



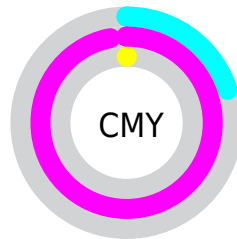
- Red (80%)
- Green (3%)
- Blue (100%)



- Red (80%)
- Yellow (3%)
- Blue (100%)



- Cyan (20%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (97%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3511, 0.2708, 0.1273 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 20.3511, 0.2708, 0.1273 by changing the saturation by 10% instead.


 20.3511, 0.2708,
0.1273


 20.3511, 0.2708,
0.1273


 253.8095, 0.2988,
0.2163


 12.6505, 0.2624,
0.1095


 44.0050, 0.2822,
0.1564


 7.1883, 0.2511,
0.0893

 60.7272, 0.2862,
0.1683


 3.5802, 0.2356,
0.0666


 81.2253, 0.2894,
0.1788

 1.4416, 0.2138,
0.0424

 105.8839, 0.2920,
0.1880

 0.2471, 0.1840,
0.0123

 135.0871, 0.2941,
0.1963

 0.0000, 0.1392,
0.0000


 169.2196, 0.2960,


 0.0000, 0.0650,


0.2036

0.0000

208.6656, 0.2975,
0.2103


 0.0000, 0.0000,
0.0000

 20.3511, 0.2708,
0.1273


 20.3511, 0.2708,
0.1273


 19.9838, 0.2693,
0.1257

 22.0146, 0.2762,
0.1345

 24.7631, 0.2816,
0.1463

 28.8093, 0.2871,
0.1627

 34.3185, 0.2923,
0.1831

 41.4313, 0.2971,
0.2067

■ 50.2716, 0.3014,
0.2324

■ 60.9511, 0.3052,
0.2590

■ 73.5719, 0.3085,
0.2856

■ 88.2287, 0.3111,
0.3114

Harmonies

Analogous

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



20.3511, 0.1374, 0.0975



20.3511, 0.2708, 0.1273



20.3511, 0.4869, 0.1895

Triad

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



20.3511, 0.2708, 0.1273



20.3511, 0.5343, 0.4657



20.3511, 0.0598, 0.2550

Complementary

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



20.3511, 0.2708, 0.1273



72.3927, 0.3071, 0.5929

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.



20.3511, 0.1146, 0.5395



20.3511, 0.2708, 0.1273



20.3511, 0.3764, 0.6236

Square

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



20.3511, 0.2708, 0.1273



20.3511, 0.6513, 0.3487



20.3511, 0.2299, 0.7303



20.3511, 0.0534, 0.1345

Rectangle

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



20.3511, 0.2708, 0.1273



20.3511, 0.6167, 0.2408



20.3511, 0.2299, 0.7303



20.3511, 0.0709, 0.3309

Sweetspot

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



20.3519, 0.2708, 0.1273



58.8259, 0.3046, 0.2540



10.6001, 0.1572, 0.0841



11.5988, 0.3030, 0.2426



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.



20.3519, 0.2708, 0.1273



19.9900, 0.2693, 0.1257



24.9066, 0.4072, 0.2026



18.1043, 0.3105, 0.3053



10.5101, 0.2702, 0.1262



1.0680, 0.2762, 0.1295

Inverse Universe

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



21.7108, 0.6038, 0.3117



21.5032, 0.6111, 0.3140



72.0875, 0.2898, 0.5616



18.0470, 0.3262, 0.3242



11.2527, 0.6075, 0.3120



1.1103, 0.5776, 0.2956

Previews

White Background



This preview shows how the Yxy color 20.3511, 0.2708, 0.1273 looks on a white background.

Color Contrast Check

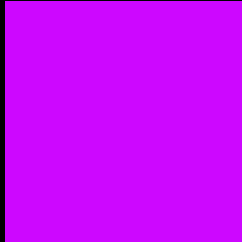
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3511, 0.2708, 0.1273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

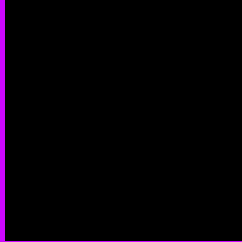
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3511, 0.2708, 0.1273

Background



This preview shows how black text looks on a background with the Yxy color 20.3511, 0.2708, 0.1273.



This preview shows how white text looks on a background with the Yxy color 20.3511, 0.2708, 0.1273.

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

20.3511, 0.2708, 0.1273

Protanopia

20.9528, 0.1745, 0.1462

Deuteranopia

20.8202, 0.1835, 0.1804



Tritanopia

20.3662, 0.4231, 0.3194

Trichromacy



Original Color

20.3511, 0.2708, 0.1273



Protanomaly

14.6628, 0.1794, 0.1086



Deuteranomaly

13.8347, 0.1831, 0.1202



Tritanomaly

17.6761, 0.3614, 0.2121

Monochromacy



Original Color

20.3511, 0.2708, 0.1273



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.0058, 0.2927, 0.1839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3511, 0.2708, 0.1273 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(205, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 7, 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(205, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 7, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.3511, 0.2708, 0.1273 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(205, 7, 255) }
```

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

```
.border{ border-color:rgb(205, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 7,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3511, 0.2708, 0.1273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 7, 255) }
```

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

```
.background{ background-color: rgb(205, 7,  
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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