

Converting Colors

$Y_{xy}(20.6608, 0.2604, 0.1305)$

Have a look what the booklet for
Yxy(20.6608, 0.2604, 0.1305)
contains.

Yxy(20.7224, 0.2607, 0.1308)	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(20.7224, 0.2607, 0.1308)

Conversions

Conversions Part 1

Format	Color
Hex	C22FFF
RGB	194, 47, 255
RGB Percent	76%, 18%, 100%
CMY	0.2394, 0.8153, 0.0001
CMYK	0.24, 0.82, 0.00, 0.00
HSL	282°, 100%, 59%
HSV	282°, 82%, 100%
XYZ	41.3022, 20.7224, 96.4035
YIQ	114.6650, 20.8440, 95.8520

Conversions

Conversions Part 2

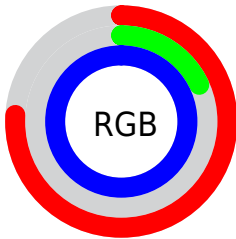
Format	Color
RYB	194, 47, 255
Decimal	12726271
CIELab	52.64, 82.84, -73.69
CIELCh	53, 110.873, 318.342
Yxy	20.7224, 0.2607, 0.1308
Android (android.graphics.Color)	4290916351 (0xFFC22FFF)
YUV	114.6650, 69.1852, 69.5768
Hunter-Lab	45.5219, 82.2907, -93.6956

Details

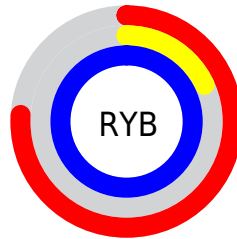
The Yxy color **20.7224, 0.2607, 0.1308** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.9010, 0.3210, 0.5662**, and the grayscale version is **16.8348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **9.0996, 0.2412, 0.1102** is the 20% darker color. If you saturate the color by 10%, you get **18.2757, 0.2528, 0.1194**, and if you desaturate by 10%, it is **24.4096, 0.2688, 0.1471**.

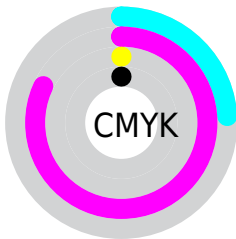
Distribution



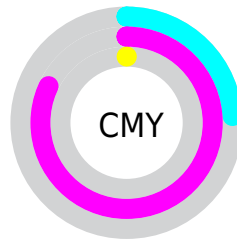
- Red (76%)
- Green (18%)
- Blue (100%)



- Red (76%)
- Yellow (18%)
- Blue (100%)



- Cyan (24%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7224, 0.2607, 0.1308 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 20.7224, 0.2607, 0.1308 by changing the saturation by 10% instead.


 20.7224, 0.2607,
0.1308


 20.7224, 0.2607,
0.1308

255.7995, 0.2933,
0.2190


 12.9212, 0.2513,
0.1130


 44.6251, 0.2736,
0.1598


 7.3743, 0.2389,
0.0926


 61.4954, 0.2782,
0.1716


 3.6973, 0.2222,
0.0696


 82.1575, 0.2819,
0.1820

 1.5057, 0.1989,
0.0449

 106.9959, 0.2850,
0.1911

 0.2927, 0.1675,
0.0148

 136.3949, 0.2876,
0.1993

 0.0000, 0.1221,
0.0000

170.7389, 0.2898,

 0.0000, 0.0381,

0.2066


0.0000


210.4123, 0.2917,
0.2131

 0.0000, 0.0000,
0.0000


 20.7224, 0.2607,
0.1308


 20.7224, 0.2607,
0.1308


 18.2757, 0.2528,
0.1194


 24.4096, 0.2688,
0.1471

 16.9374, 0.2464,
0.1131

 29.5159, 0.2768,
0.1678

 36.1929, 0.2845,
0.1919

 44.5715, 0.2915,
0.2183

 54.7689, 0.2979,
0.2458

66.8916, 0.3035,
0.2733

81.0377, 0.3082,
0.3000

97.2987, 0.3122,
0.3253

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



20.7224, 0.1373, 0.1034



20.7224, 0.2607, 0.1308



20.7224, 0.4616, 0.1901

Triad

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



20.7224, 0.2607, 0.1308



20.7224, 0.5419, 0.4581



20.7224, 0.0703, 0.2764

Complementary

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



20.7224, 0.2607, 0.1308



74.9010, 0.3210, 0.5662

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.



20.7224, 0.1324, 0.5491



20.7224, 0.2607, 0.1308



20.7224, 0.3948, 0.6052

Square

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



20.7224, 0.2607, 0.1308



20.7224, 0.6434, 0.3473



20.7224, 0.2511, 0.7076



20.7224, 0.0596, 0.1481

Rectangle

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



20.7224, 0.2607, 0.1308



20.7224, 0.5898, 0.2409



20.7224, 0.2511, 0.7076



20.7224, 0.0836, 0.3530

Sweetspot

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



20.7232, 0.2607, 0.1308



63.7256, 0.3022, 0.2666



18.8609, 0.1761, 0.1342



12.7041, 0.3002, 0.2568



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.



20.7232, 0.2607, 0.1308



17.2337, 0.2479, 0.1145



28.1194, 0.3664, 0.1897



18.0170, 0.3091, 0.3052



8.9333, 0.2476, 0.1138



0.9261, 0.2562, 0.1185

Inverse Universe

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



24.3803, 0.5234, 0.2838



21.9272, 0.5777, 0.2968



72.8224, 0.2912, 0.5478



18.0748, 0.3248, 0.3220



11.3956, 0.5791, 0.2964



1.1277, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 20.7224, 0.2607, 0.1308 looks on a white background.

Color Contrast Check

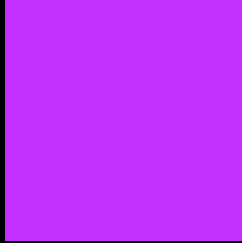
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7224, 0.2607, 0.1308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

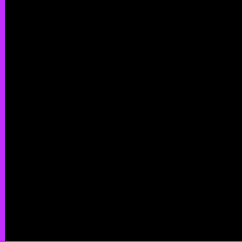
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7224, 0.2607, 0.1308

Background



This preview shows how black text looks on a background with the Yxy color 20.7224, 0.2607, 0.1308.



This preview shows how white text looks on a background with the Yxy color 20.7224, 0.2607, 0.1308.

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

20.7224, 0.2607, 0.1308

Protanopia

21.0139, 0.1751, 0.1465

Deuteranopia

20.8202, 0.1835, 0.1804



Tritanopia

20.5239, 0.3918, 0.3171

Trichromacy



Original Color

20.7224, 0.2607, 0.1308



Protanomaly

16.9747, 0.1831, 0.1222



Deuteranomaly

16.2614, 0.1855, 0.1368



Tritanomaly

18.9535, 0.3362, 0.2201

Monochromacy



Original Color

20.7224, 0.2607, 0.1308



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

15.9948, 0.2899, 0.2104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7224, 0.2607, 0.1308 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(194, 47, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 47, 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(194, 47, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 47, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.7224, 0.2607, 0.1308 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(194, 47, 255) }
```

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

```
.border{ border-color:rgb(194, 47, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 47, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 47, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 47, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 47,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7224, 0.2607, 0.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 47, 255) }
```

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

```
.background{ background-color: rgb(194, 47,  
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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