

Converting Colors

$Y_{xy}(20.5793, 0.2603, 0.1302)$

Have a look what the booklet for
Yxy(20.5793, 0.2603, 0.1302)
contains.

Yxy(20.6433, 0.2607, 0.1304)	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(20.6433, 0.2607, 0.1304)

Conversions

Conversions Part 1

Format	Color
Hex	C22EFF
RGB	194, 46, 255
RGB Percent	76%, 18%, 100%
CMY	0.2392, 0.8195, 0.0001
CMYK	0.24, 0.82, 0.00, 0.00
HSL	282°, 100%, 59%
HSV	282°, 82%, 100%
XYZ	41.2708, 20.6433, 96.3934
YIQ	114.0780, 21.1190, 96.3750

Conversions

Conversions Part 2

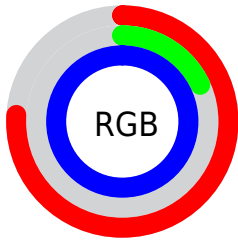
Format	Color
RYB	194, 46, 255
Decimal	12726015
CIELab	52.56, 83.12, -73.84
CIELCh	53, 111.178, 318.383
Yxy	20.6433, 0.2607, 0.1304
Android (android.graphics.Color)	4290916095 (0xFFC22EFF)
YUV	114.0780, 69.4745, 70.0916
Hunter-Lab	45.4349, 82.6293, -93.9836

Details

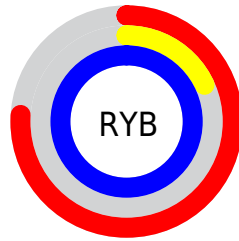
The Yxy color **20.6433, 0.2607, 0.1304** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.8262, 0.3207, 0.5671**, and the grayscale version is **16.6404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **9.0996, 0.2412, 0.1102** is the 20% darker color. If you saturate the color by 10%, you get **18.2469, 0.2529, 0.1193**, and if you desaturate by 10%, it is **24.2711, 0.2687, 0.1464**.

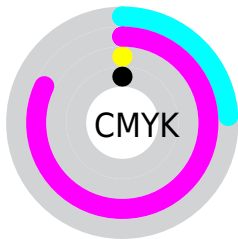
Distribution



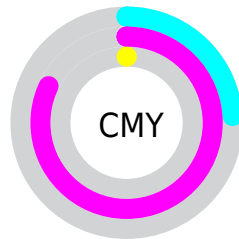
- Red (76%)
- Green (18%)
- Blue (100%)



- 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 20.6433, 0.2607, 0.1304 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 20.6433, 0.2607, 0.1304 by changing the saturation by 10% instead.


 20.6433, 0.2607,
0.1304


 20.6433, 0.2607,
0.1304


255.3767, 0.2933,
0.2187


 12.8635, 0.2513,
0.1126


 44.4931, 0.2737,
0.1594

 7.3346, 0.2389,
0.0922


 61.3320, 0.2782,
0.1713


 3.6722, 0.2221,
0.0692


 81.9593, 0.2820,
0.1817

 1.4920, 0.1988,
0.0445

 106.7594, 0.2851,
0.1908

 0.2831, 0.1673,
0.0144

 136.1169, 0.2877,
0.1990

 0.0000, 0.1219,
0.0000

170.4160, 0.2898,

 0.0000, 0.0377,

0.2063

0.0000

210.0411, 0.2917,
0.2128

■ 0.0000, 0.0000,
0.0000

■ 20.6433, 0.2607,
0.1304

■ 20.6433, 0.2607,
0.1304

■ 18.2469, 0.2529,
0.1193

■ 24.2711, 0.2687,
0.1464

■ 16.9895, 0.2468,
0.1133

■ 29.3107, 0.2767,
0.1669

■ 35.9146, 0.2843,
0.1909

■ 44.2145, 0.2914,
0.2173

■ 54.3279, 0.2978,
0.2447

66.3617, 0.3033,
0.2722

80.4146, 0.3081,
0.2989

96.5780, 0.3120,
0.3243

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



20.6433, 0.1370, 0.1030



20.6433, 0.2607, 0.1304



20.6433, 0.4624, 0.1898

Triad

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



20.6433, 0.2607, 0.1304



20.6433, 0.5420, 0.4580



20.6433, 0.0697, 0.2758

Complementary

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



20.6433, 0.2607, 0.1304



74.8262, 0.3207, 0.5671

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.



20.6433, 0.1316, 0.5497



20.6433, 0.2607, 0.1304



20.6433, 0.3942, 0.6058

Square

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



20.6433, 0.2607, 0.1304



20.6433, 0.6441, 0.3471



20.6433, 0.2502, 0.7090



20.6433, 0.0592, 0.1475

Rectangle

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



20.6433, 0.2607, 0.1304



20.6433, 0.5910, 0.2407



20.6433, 0.2502, 0.7090



20.6433, 0.0829, 0.3526

Sweetspot

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



20.6441, 0.2607, 0.1304



62.4915, 0.3017, 0.2638



18.6765, 0.1756, 0.1332



12.4680, 0.2998, 0.2542



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.



20.6441, 0.2607, 0.1304



17.2847, 0.2483, 0.1147



28.0249, 0.3668, 0.1895



18.0186, 0.3091, 0.3052



8.9600, 0.2480, 0.1140



0.9285, 0.2566, 0.1187

Inverse Universe

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



24.2731, 0.5255, 0.2843



21.9212, 0.5783, 0.2971



72.7857, 0.2913, 0.5488



18.0743, 0.3248, 0.3221



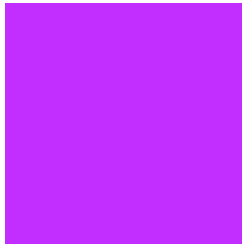
11.3925, 0.5797, 0.2967



1.1273, 0.5477, 0.2791

Previews

White Background



This preview shows how the Yxy color 20.6433, 0.2607, 0.1304 looks on a white background.

Color Contrast Check

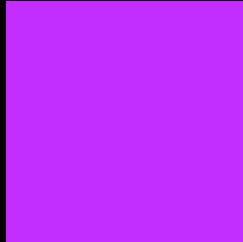
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6433, 0.2607, 0.1304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

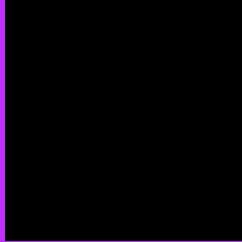
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6433, 0.2607, 0.1304

Background



This preview shows how black text looks on a background with the Yxy color 20.6433, 0.2607, 0.1304.



This preview shows how white text looks on a background with the Yxy color 20.6433, 0.2607, 0.1304.

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

20.6433, 0.2607, 0.1304

Protanopia

20.9881, 0.1748, 0.1464

Deuteranopia

20.8202, 0.1835, 0.1804



Tritanopia

20.2936, 0.3938, 0.3171

Trichromacy



Original Color

20.6433, 0.2607, 0.1304



Protanomaly

16.8877, 0.1822, 0.1218



Deuteranomaly

16.0731, 0.1852, 0.1356



Tritanomaly

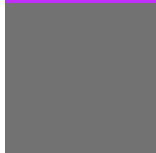
18.7606, 0.3377, 0.2201

Monochromacy



Original Color

20.6433, 0.2607, 0.1304



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.7010, 0.2897, 0.2097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6433, 0.2607, 0.1304 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, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 46, 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, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 46, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.6433, 0.2607, 0.1304 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, 46, 255) }
```

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

```
.border{ border-color:rgb(194, 46, 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, 46, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 46,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6433, 0.2607, 0.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 46, 255) }
```

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

```
.background{ background-color: rgb(194, 46,  
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