

Converting Colors

$Y_{xy}(20.0121, 0.2633, 0.1268)$

Have a look what the booklet for
Yxy(20.0121, 0.2633, 0.1268)
contains.

Yxy(20.0189, 0.2632, 0.1268)	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(20.0189, 0.2632, 0.1268)

Conversions

Conversions Part 1

Format	Color
Hex	C51EFF
RGB	197, 30, 255
RGB Percent	77%, 12%, 100%
CMY	0.2272, 0.8830, 0.0000
CMYK	0.23, 0.88, 0.00, 0.00
HSL	285°, 100%, 56%
HSV	285°, 88%, 100%
XYZ	41.5534, 20.0189, 96.3054
YIQ	105.5830, 27.3070, 105.3790

Conversions

Conversions Part 2

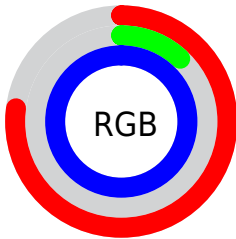
Format	Color
R_{YB}	197, 30, 255
Decimal	12918527
CIE _{Lab}	51.86, 86.99, -74.98
CIE _{LCh}	52, 114.847, 319.239
Yxy	20.0189, 0.2632, 0.1268
Android (android.graphics.Color)	4291108607 (0xFFC51EFF)
YUV	105.5830, 73.6626, 80.1727
Hunter-Lab	44.7425, 87.4779, -96.2983

Details

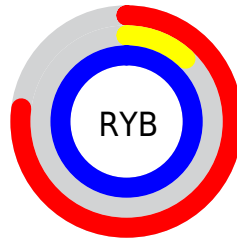
The Yxy color **20.0189, 0.2632, 0.1268** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **73.6773, 0.3149, 0.5801**, and the grayscale version is **14.0613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **9.3496, 0.2448, 0.1122** is the 20% darker color. If you saturate the color by 10%, you get **18.3245, 0.2565, 0.1191**, and if you desaturate by 10%, it is **22.7678, 0.2702, 0.1391**.

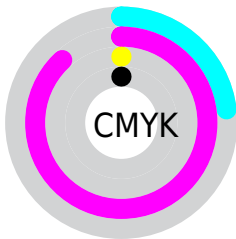
Distribution



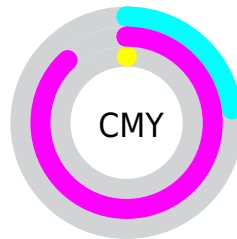
- Red (77%)
- Green (12%)
- Blue (100%)



- Red (77%)
- Yellow (12%)
- Blue (100%)



- Cyan (23%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0189, 0.2632, 0.1268 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 20.0189, 0.2632, 0.1268 by changing the saturation by 10% instead.


 20.0189, 0.2632,
0.1268


 20.0189, 0.2632,
0.1268


252.0174, 0.2950,
0.2163


 12.4088, 0.2539,
0.1089


 43.4489, 0.2759,
0.1561


 7.0227, 0.2416,
0.0885

 60.0375, 0.2804,
0.1681


 3.4763, 0.2249,
0.0657


 80.3878, 0.2840,
0.1786

 1.3852, 0.2017,
0.0414

 104.8841, 0.2870,
0.1879

 0.2058, 0.1705,
0.0105

 133.9108, 0.2895,
0.1962

 0.0000, 0.1244,
0.0000

167.8523, 0.2916,


 0.0000, 0.0417,


0.2036


0.0000

207.0931, 0.2934,
0.2103


 0.0000, 0.0000,
0.0000

 20.0189, 0.2632,
0.1268


 20.0189, 0.2632,
0.1268


 18.3245, 0.2565,
0.1191

 22.7678, 0.2702,
0.1391

 18.0865, 0.2553,
0.1180

 26.8088, 0.2773,
0.1561

 32.3103, 0.2842,
0.1773

 39.4154, 0.2906,
0.2017

 48.2500, 0.2965,
0.2280

■ 58.9274, 0.3018,
0.2552

■ 71.5509, 0.3063,
0.2822

■ 86.2163, 0.3101,
0.3084

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



20.0189, 0.1348, 0.0984



20.0189, 0.2632, 0.1268



20.0189, 0.4742, 0.1875

Triad

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



20.0189, 0.2632, 0.1268



20.0189, 0.5403, 0.4597



20.0189, 0.0630, 0.2659

Complementary

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



20.0189, 0.2632, 0.1268



73.6773, 0.3149, 0.5801

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.



20.0189, 0.1215, 0.5514



20.0189, 0.2632, 0.1268



20.0189, 0.3855, 0.6145

Square

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



20.0189, 0.2632, 0.1268



20.0189, 0.6515, 0.3456



20.0189, 0.2389, 0.7246



20.0189, 0.0546, 0.1396

Rectangle

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



20.0189, 0.2632, 0.1268



20.0189, 0.6060, 0.2387



20.0189, 0.2389, 0.7246



20.0189, 0.0751, 0.3440

Sweetspot

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



20.0178, 0.2632, 0.1268



61.6525, 0.3029, 0.2614



14.7862, 0.1667, 0.1109



12.3254, 0.3012, 0.2520



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.



20.0178, 0.2632, 0.1268



18.0865, 0.2553, 0.1180



26.4667, 0.3815, 0.1926



18.0513, 0.3096, 0.3053



9.5260, 0.2564, 0.1186



0.9798, 0.2640, 0.1228

Inverse Universe

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



22.8815, 0.5596, 0.2947



21.6490, 0.5953, 0.3053



72.4086, 0.2904, 0.5558



18.0638, 0.3254, 0.3229



11.3324, 0.5912, 0.3031



1.1203, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 20.0189, 0.2632, 0.1268 looks on a white background.

Color Contrast Check

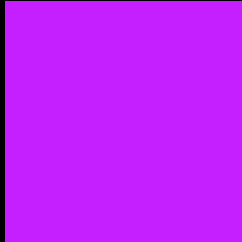
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0189, 0.2632, 0.1268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

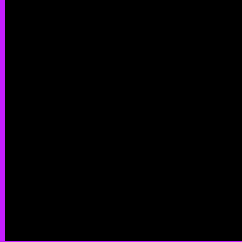
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0189, 0.2632, 0.1268

Background



This preview shows how black text looks on a background with the Yxy color 20.0189, 0.2632, 0.1268.



This preview shows how white text looks on a background with the Yxy color 20.0189, 0.2632, 0.1268.

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

20.0189, 0.2632, 0.1268

Protanopia

20.4612, 0.1741, 0.1467

Deuteranopia

20.3992, 0.1838, 0.1817



Tritanopia

19.7425, 0.4057, 0.3173

Trichromacy



Original Color

20.0189, 0.2632, 0.1268



Protanomaly

15.2860, 0.1781, 0.1143



Deuteranomaly

14.9152, 0.1845, 0.1297



Tritanomaly

17.8805, 0.3453, 0.2149

Monochromacy



Original Color

20.0189, 0.2632, 0.1268



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4758, 0.2899, 0.1981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0189, 0.2632, 0.1268 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(197, 30, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 30, 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(197, 30, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 30, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.0189, 0.2632, 0.1268 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(197, 30, 255) }
```

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

```
.border{ border-color:rgb(197, 30, 255) }
```

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

Here you see how a box with a 4 pixel rgb(197, 30, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 30, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 30, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 30,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0189, 0.2632, 0.1268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 30, 255) }
```

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

```
.background{ background-color: rgb(197, 30,  
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