

Converting Colors

$Y_{xy}(20.7333, 0.2585, 0.1312)$

Have a look what the booklet for
Yxy(20.7333, 0.2585, 0.1312)
contains.

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Color

Yxy(20.7941, 0.2589, 0.1314)

Conversions

Conversions Part 1

Format	Color
Hex	C033FF
RGB	192, 51, 255
RGB Percent	75%, 20%, 100%
CMY	0.2471, 0.7999, 0.0000
CMYK	0.25, 0.80, 0.00, 0.00
HSL	281°, 100%, 60%
HSV	281°, 80%, 100%
XYZ	40.9710, 20.7941, 96.4853
YIQ	116.4150, 18.5520, 93.3360

Conversions

Conversions Part 2

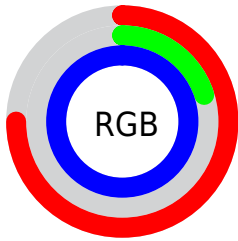
Format	Color
R_{YB}	192, 51, 255
Decimal	12596223
CIE _{Lab}	52.72, 81.48, -73.61
CIE _{LCh}	53, 109.808, 317.904
Y _{xy}	20.7941, 0.2589, 0.1314
Android (android.graphics.Color)	4290786303 (0xFFC033FF)
YUV	116.4150, 68.3224, 66.2880
Hunter-Lab	45.6005, 80.5771, -93.5301

Details

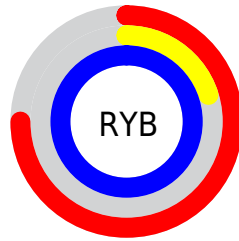
The Yxy color **20.7941, 0.2589, 0.1314** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **75.3393, 0.3231, 0.5621**, and the grayscale version is **17.3827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1373, 0.3171, 0.1971**, and **8.9368, 0.2388, 0.1089** is the 20% darker color. If you saturate the color by 10%, you get **18.1404, 0.2506, 0.1190**, and if you desaturate by 10%, it is **24.7205, 0.2674, 0.1487**.

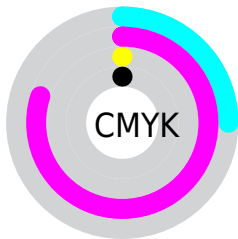
Distribution



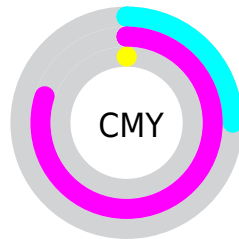
- Red (75%)
- Green (20%)
- Blue (100%)



- Red (75%)
- Yellow (20%)
- Blue (100%)



- Cyan (25%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7941, 0.2589, 0.1314 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 20.7941, 0.2589, 0.1314 by changing the saturation by 10% instead.


 20.7941, 0.2589,
0.1314


 20.7941, 0.2589,
0.1314


256.1822, 0.2923,
0.2194


 12.9736, 0.2494,
0.1136

 44.7446, 0.2721,
0.1604


 7.4104, 0.2368,
0.0932


 61.6434, 0.2768,
0.1722

 3.7200, 0.2198,
0.0702


 82.3370, 0.2806,
0.1825

 1.5182, 0.1963,
0.0453

 107.2100, 0.2838,
0.1917

 0.3015, 0.1646,
0.0153

 136.6465, 0.2865,
0.1998

 0.0000, 0.1193,
0.0000

171.0312, 0.2887,

 0.0000, 0.0334,

0.2071

0.0000

210.7483, 0.2906,
0.2136

■ 0.0000, 0.0000,
0.0000

■ 20.7941, 0.2589,
0.1314

■ 20.7941, 0.2589,
0.1314

■ 18.1404, 0.2506,
0.1190

■ 24.7205, 0.2674,
0.1487

■ 16.4764, 0.2427,
0.1110

■ 30.0982, 0.2759,
0.1703

■ 16.4753, 0.2427,
0.1110

■ 37.0735, 0.2839,
0.1952

■ 45.7752, 0.2913,
0.2221

■ 56.3187, 0.2979,
0.2499

■ 68.8092, 0.3037,
0.2774

■ 83.3440, 0.3086,
0.3040

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.



20.7941, 0.1373, 0.1045



20.7941, 0.2589, 0.1314



20.7941, 0.4572, 0.1902

Triad

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



20.7941, 0.2589, 0.1314



20.7941, 0.5433, 0.4567



20.7941, 0.0722, 0.2803

Complementary

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



20.7941, 0.2589, 0.1314



75.3393, 0.3231, 0.5621

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.



20.7941, 0.1356, 0.5507



20.7941, 0.2589, 0.1314



20.7941, 0.3980, 0.6020

Square

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



20.7941, 0.2589, 0.1314



20.7941, 0.6420, 0.3471



20.7941, 0.2548, 0.7036



20.7941, 0.0608, 0.1507

Rectangle

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



20.7941, 0.2589, 0.1314



20.7941, 0.5850, 0.2408



20.7941, 0.2548, 0.7036



20.7941, 0.0860, 0.3570

Sweetspot

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



20.7931, 0.2589, 0.1314



63.5632, 0.3015, 0.2664



20.3262, 0.1790, 0.1420



12.6648, 0.2994, 0.2566



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.



20.7931, 0.2589, 0.1314



17.0689, 0.2458, 0.1139



28.6706, 0.3611, 0.1881



18.0023, 0.3088, 0.3052



8.6912, 0.2439, 0.1117



0.9040, 0.2529, 0.1167

Inverse Universe

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



24.8452, 0.5129, 0.2803



22.1506, 0.5665, 0.2916



72.9358, 0.2921, 0.5476



18.0795, 0.3245, 0.3217



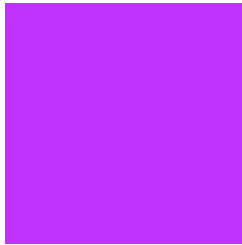
11.4255, 0.5737, 0.2934



1.1311, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 20.7941, 0.2589, 0.1314 looks on a white background.

Color Contrast Check

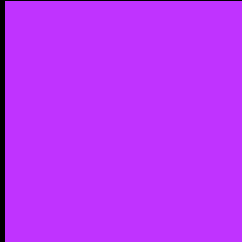
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7941, 0.2589, 0.1314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

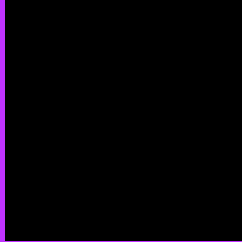
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7941, 0.2589, 0.1314

Background



This preview shows how black text looks on a background with the Yxy color 20.7941, 0.2589, 0.1314.



This preview shows how white text looks on a background with the Yxy color 20.7941, 0.2589, 0.1314.

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

20.7941, 0.2589, 0.1314

Protanopia

21.2878, 0.1757, 0.1479

Deuteranopia

21.1368, 0.1836, 0.1810



Tritanopia

20.5321, 0.3873, 0.3169

Trichromacy



Original Color

20.7941, 0.2589, 0.1314



Protanomaly

17.4247, 0.1845, 0.1246



Deuteranomaly

16.6656, 0.1854, 0.1384



Tritanomaly

19.0714, 0.3321, 0.2204

Monochromacy



Original Color

20.7941, 0.2589, 0.1314



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.3736, 0.2888, 0.2120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7941, 0.2589, 0.1314 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(192, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 51, 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(192, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.7941, 0.2589, 0.1314 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(192, 51, 255) }
```

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

```
.border{ border-color:rgb(192, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7941, 0.2589, 0.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 51, 255) }
```

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

```
.background{ background-color: rgb(192, 51,  
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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