

Converting Colors

$Y_{xy}(22.9347, 0.2022, 0.1180)$

Have a look what the booklet for
Yxy(22.9347, 0.2022, 0.1180)
contains.

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Color

Yxy(20.2776, 0.2178, 0.1355)

Conversions

Conversions Part 1

Format	Color
Hex	8C5BFF
RGB	140, 91, 255
RGB Percent	55%, 36%, 100%
CMY	0.4512, 0.6430, 0.0001
CMYK	0.45, 0.64, 0.00, 0.00
HSL	258°, 100%, 68%
HSV	258°, 64%, 100%
XYZ	32.5938, 20.2776, 96.7788
YIQ	124.3470, -23.4400, 61.3920

Conversions

Conversions Part 2

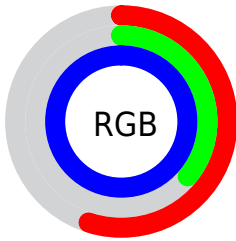
Format	Color
R_{YB}	140, 91, 255
Decimal	9198591
CIE _{Lab}	52.15, 56.23, -74.80
CIE _{LCh}	52, 93.573, 306.933
Yxy	20.2776, 0.2178, 0.1355
Android (android.graphics.Color)	4287388671 (0xFF8C5BFF)
YUV	124.3470, 64.4119, 13.7277
Hunter-Lab	45.0307, 50.3971, -95.9031

Details

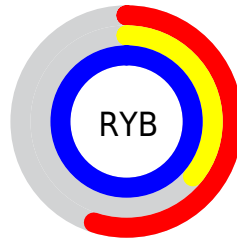
The Yxy color **20.2776, 0.2178, 0.1355** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **85.3911, 0.3679, 0.4977**, and the grayscale version is **20.0665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4459, 0.2717, 0.2068**, and **7.1685, 0.1873, 0.0961** is the 20% darker color. If you saturate the color by 10%, you get **15.2029, 0.2011, 0.1092**, and if you desaturate by 10%, it is **27.0865, 0.2353, 0.1659**.

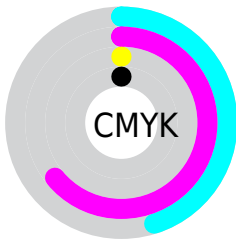
Distribution



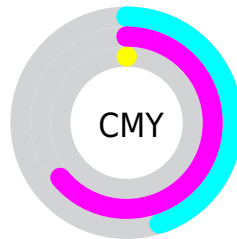
- Red (55%)
- Green (36%)
- Blue (100%)



- Red (55%)
- Yellow (36%)
- Blue (100%)



- Cyan (45%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2776, 0.2178, 0.1355 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 20.2776, 0.2178, 0.1355 by changing the saturation by 10% instead.


 20.2776, 0.2178,
0.1355

 20.2776, 0.2178,
0.1355


253.4140, 0.2704,
0.2243


 12.5970, 0.2042,
0.1171


 43.8821, 0.2375,
0.1651


 7.1516, 0.1871,
0.0959


 60.5748, 0.2447,
0.1771

 3.5571, 0.1649,
0.0718


 81.0403, 0.2508,
0.1875

 1.4290, 0.1364,
0.0458

 105.6630, 0.2560,
0.1967

 0.2380, 0.1008,
0.0130

134.8274, 0.2604,
0.2048

 0.0000, 0.0542,
0.0000

168.9177, 0.2642,

 0.0000, 0.0000,

0.2120

0.0000

208.3185, 0.2675,
0.2185

■ 20.2776, 0.2178,
0.1355

■ 20.2776, 0.2178,
0.1355

■ 15.2029, 0.2011,
0.1092

■ 27.0865, 0.2353,
0.1659

■ 11.6913, 0.1862,
0.0887

■ 35.7741, 0.2525,
0.1983

■ 9.5380, 0.1740,
0.0752

■ 46.4716, 0.2688,
0.2309

■ 8.7564, 0.1683,
0.0701

■ 59.2976, 0.2837,
0.2623

■ 74.3614, 0.2968,
0.2916

91.7647, 0.3083,
0.3184

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



20.2776, 0.1280, 0.1203



20.2776, 0.2178, 0.1355



20.2776, 0.3727, 0.1814

Triad

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



20.2776, 0.2178, 0.1355



20.2776, 0.5717, 0.4227



20.2776, 0.1110, 0.3653

Complementary

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



20.2776, 0.2178, 0.1355



85.3911, 0.3679, 0.4977

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.



20.2776, 0.1986, 0.5916



20.2776, 0.2178, 0.1355



20.2776, 0.4580, 0.5420

Square

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



20.2776, 0.2178, 0.1355



20.2776, 0.6192, 0.3299



20.2776, 0.3232, 0.6432



20.2776, 0.0801, 0.2036

Rectangle

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



20.2776, 0.2178, 0.1355



20.2776, 0.4935, 0.2267



20.2776, 0.3232, 0.6432



20.2776, 0.1335, 0.4431

Sweetspot

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



20.2782, 0.2178, 0.1355



67.0000, 0.2909, 0.2781



54.8132, 0.2223, 0.2705



13.4344, 0.2870, 0.2696



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.



20.2782, 0.2178, 0.1355



14.1085, 0.1968, 0.1030



29.8389, 0.2863, 0.1670



17.6403, 0.3025, 0.3048



4.6436, 0.1698, 0.0709



0.5059, 0.1815, 0.0773

Inverse Universe

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



33.2049, 0.3711, 0.2196



28.3577, 0.3873, 0.2080



76.7362, 0.3188, 0.5280



18.2026, 0.3184, 0.3125



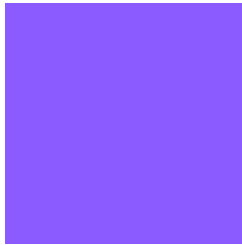
12.8359, 0.4142, 0.2055



1.2691, 0.4009, 0.1982

Previews

White Background



This preview shows how the Yxy color 20.2776, 0.2178, 0.1355 looks on a white background.

Color Contrast Check

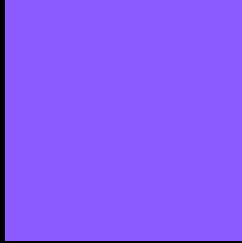
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2776, 0.2178, 0.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

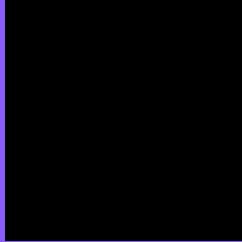
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2776, 0.2178, 0.1355

Background



This preview shows how black text looks on a background with the Yxy color 20.2776, 0.2178, 0.1355.

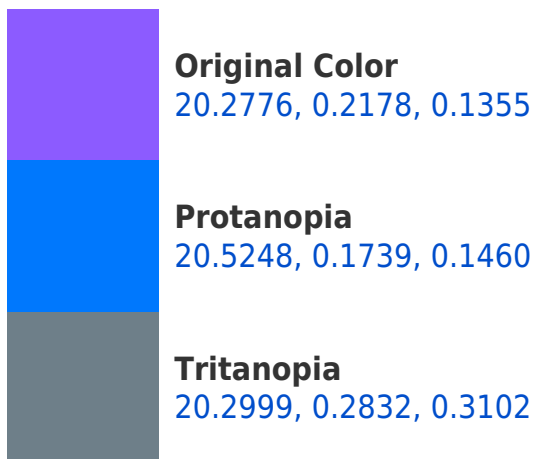


This preview shows how white text looks on a background with the Yxy color 20.2776, 0.2178, 0.1355.

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



Trichromacy



Original Color

20.2776, 0.2178, 0.1355



Protanomaly

18.7968, 0.1771, 0.1346



Tritanomaly

19.3949, 0.2536, 0.2222

Monochromacy



Original Color

20.2776, 0.2178, 0.1355



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.3127, 0.2694, 0.2318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2776, 0.2178, 0.1355 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(140, 91, 255)` looks like.

```
.text, #text, p{  
  color:rgb(140, 91, 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(140, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 91, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.2776, 0.2178, 0.1355 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(140, 91, 255) }
```

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

```
.border{ border-color:rgb(140, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 91, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 91, 255); box-shadow:4px 4px 4px 4px rgb(140, 91, 255) }
```

Background

The CSS property to change the background color of an element to Yxy 20.2776, 0.2178, 0.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 91, 255) }
```

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

```
.background{ background-color: rgb(140, 91,  
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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