

Converting Colors

$Y_{xy}(20.8142, 0.2304, 0.1573)$

Have a look what the booklet for
Yxy(20.8142, 0.2304, 0.1573)
contains.

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Color

Yxy(20.6880, 0.2300, 0.1567)

Conversions

Conversions Part 1

Format	Color
Hex	8C64EB
RGB	140, 100, 235
RGB Percent	55%, 39%, 92%
CMY	0.4509, 0.6078, 0.0785
CMYK	0.40, 0.57, 0.00, 0.08
HSL	258°, 77%, 66%
HSV	258°, 57%, 92%
XYZ	30.3653, 20.6880, 80.9697
YIQ	127.3500, -19.4950, 50.4650

Conversions

Conversions Part 2

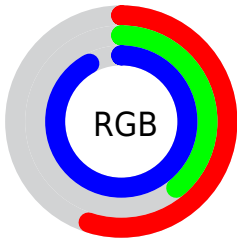
Format	Color
R_{YB}	140, 100, 235
Decimal	9200875
CIE _{Lab}	52.61, 46.09, -62.91
CIE _{LCh}	53, 77.988, 306.229
Yxy	20.6880, 0.2300, 0.1567
Android (android.graphics.Color)	4287390955 (0xFF8C64EB)
YUV	127.3500, 53.0714, 11.0940
Hunter-Lab	45.4841, 39.5700, -73.7079

Details

The Yxy color **20.6880, 0.2300, 0.1567** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **71.9203, 0.3646, 0.4811**, and the grayscale version is **21.1705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6822, 0.2708, 0.2147**, and **7.3758, 0.2017, 0.1172** is the 20% darker color. If you saturate the color by 10%, you get **15.4823, 0.2127, 0.1274**, and if you desaturate by 10%, it is **27.4104, 0.2474, 0.1886**.

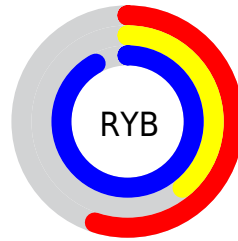
Distribution



Red (55%)

Green (39%)

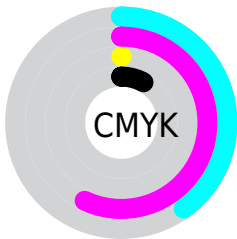
Blue (92%)



Red (55%)

Yellow (39%)

Blue (92%)

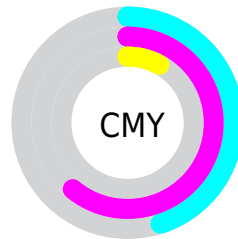


Cyan (40%)

Magenta (57%)

Yellow (0%)

Black (8%)



Cyan (45%)


Magenta (61%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6880, 0.2300, 0.1567 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 20.6880, 0.2300, 0.1567 by changing the saturation by 10% instead.


 20.6880, 0.2300,
0.1567


 20.6880, 0.2300,
0.1567


255.6157, 0.2764,
0.2391


 12.8961, 0.2176,
0.1384


 44.5677, 0.2477,
0.1851

 7.3571, 0.2014,
0.1167


 61.4243, 0.2541,
0.1963

 3.6864, 0.1801,
0.0910


 82.0713, 0.2594,
0.2059

 1.4997, 0.1513,
0.0614

 106.8931, 0.2639,
0.2143

 0.2885, 0.1136,
0.0214

136.2740, 0.2677,
0.2217

 0.0000, 0.0515,
0.0000

170.5985, 0.2710,

 0.0000, 0.0000,

0.2282

0.0000

210.2509, 0.2739,
0.2339

■ 20.6880, 0.2300,
0.1567

■ 20.6880, 0.2300,
0.1567

■ 15.4823, 0.2127,
0.1274

■ 27.4104, 0.2474,
0.1886

■ 11.6663, 0.1964,
0.1027

■ 35.7577, 0.2640,
0.2212

■ 9.0951, 0.1823,
0.0841


■ 45.8307, 0.2793,
0.2529


■ 7.5782, 0.1709,
0.0725

■ 57.7211, 0.2929,
0.2829

■ 7.2854, 0.1684,
0.0702

■ 71.5142, 0.3049,
0.3103

 87.2896, 0.3152,
0.3351

 98.7766, 0.3244,
0.3483

Harmonies

Analogous

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



20.6880, 0.1483, 0.1434



20.6880, 0.2300, 0.1567



20.6880, 0.3617, 0.1990

Triad

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



20.6880, 0.2300, 0.1567



20.6880, 0.5465, 0.4246



20.6880, 0.1403, 0.3675

Complementary

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



20.6880, 0.2300, 0.1567



71.9203, 0.3646, 0.4811

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.



20.6880, 0.2248, 0.5417



20.6880, 0.2300, 0.1567



20.6880, 0.4548, 0.5220

Square

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



20.6880, 0.2300, 0.1567



20.6880, 0.5761, 0.3398



20.6880, 0.3396, 0.5940



20.6880, 0.1057, 0.2280

Rectangle

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



20.6880, 0.2300, 0.1567



20.6880, 0.4613, 0.2408



20.6880, 0.3396, 0.5940



20.6880, 0.1630, 0.4285

Sweetspot

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



20.6887, 0.2300, 0.1567



70.0591, 0.2934, 0.2839



48.5179, 0.2301, 0.2780



14.3348, 0.2908, 0.2781



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.



20.6887, 0.2300, 0.1567



17.6603, 0.2095, 0.1224



28.1958, 0.2903, 0.1822



14.7652, 0.3026, 0.3050



4.1131, 0.1699, 0.0709



0.3712, 0.1845, 0.0790

Inverse Universe

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



30.7124, 0.3622, 0.2286



31.1639, 0.3766, 0.2142



65.0086, 0.3197, 0.5057



15.2333, 0.3183, 0.3126



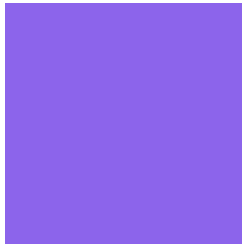
11.3723, 0.4131, 0.2049



0.9098, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 20.6880, 0.2300, 0.1567 looks on a white background.

Color Contrast Check

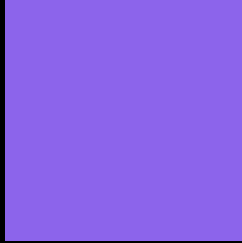
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6880, 0.2300, 0.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

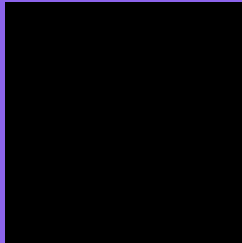
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6880, 0.2300, 0.1567

Background



This preview shows how black text looks on a background with the Yxy color 20.6880, 0.2300, 0.1567.



This preview shows how white text looks on a background with the Yxy color 20.6880, 0.2300, 0.1567.

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

20.6880, 0.2300, 0.1567

Protanopia

21.0769, 0.1757, 0.1467

Deuteranopia

20.9293, 0.1829, 0.1785



Tritanopia

20.4812, 0.2917, 0.3105

Trichromacy



Original Color

20.6880, 0.2300, 0.1567



Protanomaly

19.7458, 0.1843, 0.1450



Deuteranomaly

19.3178, 0.1863, 0.1637



Tritanomaly

20.0611, 0.2649, 0.2387

Monochromacy



Original Color

20.6880, 0.2300, 0.1567



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.3813, 0.2777, 0.2487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6880, 0.2300, 0.1567 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, 100, 235)` looks like.

```
.text, #text, p{  
  color:rgb(140, 100, 235)  
}
```

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, 100, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 100, 235) }
```

Border

The CSS property to change the border of an element to Yxy 20.6880, 0.2300, 0.1567 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, 100, 235) }
```

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

```
.border{ border-color:rgb(140, 100, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 100, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 100, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 100, 235);  
box-shadow:4px 4px 4px 4px rgb(140, 100,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6880, 0.2300, 0.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 100, 235) }
```

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

```
.background{ background-color: rgb(140,  
100, 235) }
```

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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