

Converting Colors

$Y_{xy}(17.8924, 0.2133, 0.1292)$

Have a look what the booklet for
Yxy(17.8924, 0.2133, 0.1292)
contains.

Yxy(17.7891, 0.2132, 0.1290)	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>	29

Color

Yxy(17.7891, 0.2132, 0.1290)

Conversions

Conversions Part 1

Format	Color
Hex	8353F8
RGB	131, 83, 248
RGB Percent	51%, 33%, 97%
CMY	0.4862, 0.6746, 0.0274
CMYK	0.47, 0.67, 0.00, 0.03
HSL	257°, 92%, 65%
HSV	257°, 67%, 97%
XYZ	29.4003, 17.7891, 90.7106
YIQ	116.1620, -24.3570, 61.4910

Conversions

Conversions Part 2

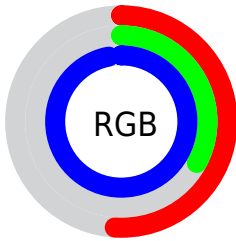
Format	Color
R _{YB}	131, 83, 248
Decimal	8606712
CIE Lab	49.24, 56.94, -75.71
CIE LCh	49, 94.734, 306.949
Yxy	17.7891, 0.2132, 0.1290
Android (android.graphics.Color)	4286796792 (0xFF8353F8)
YUV	116.1620, 64.9961, 13.0129
Hunter-Lab	42.1771, 50.6165, -97.9914

Details

The Yxy color **17.7891, 0.2132, 0.1290** 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 **80.0537, 0.3695, 0.5018**, and the grayscale version is **17.3196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6243, 0.2637, 0.1949**, and **5.8910, 0.1800, 0.0877** is the 20% darker color. If you saturate the color by 10%, you get **13.3627, 0.1967, 0.1038**, and if you desaturate by 10%, it is **23.8114, 0.2307, 0.1587**.

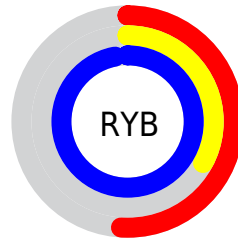
Distribution



Red (51%)

Green (33%)

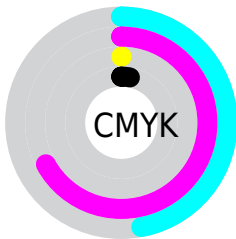
Blue (97%)



Red (51%)

Yellow (33%)

Blue (97%)

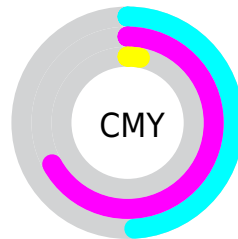


Cyan (47%)

Magenta (67%)

Yellow (0%)

Black (3%)



Cyan (49%)


Magenta (67%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7891, 0.2132, 0.1290 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 17.7891, 0.2132, 0.1290 by changing the saturation by 10% instead.


 17.7891, 0.2132,
0.1290


 17.7891, 0.2132,
0.1290


239.6796, 0.2691,
0.2216


 10.7987, 0.1986,
0.1098


 39.6776, 0.2342,
0.1600


 5.9316, 0.1801,
0.0879


 55.3445, 0.2420,
0.1724


 2.8035, 0.1563,
0.0633


 74.6724, 0.2484,
0.1833

 1.0300, 0.1256,
0.0374

 98.0456, 0.2539,
0.1929

 0.0000, 0.0885,
0.0000

 125.8485, 0.2585,
0.2013

 0.0000, 0.0302,
0.0000

158.4655, 0.2625,

 0.0000, 0.0000,

0.2088

0.0000

196.2811, 0.2660,
0.2156

■ 17.7891, 0.2132,
0.1290

■ 17.7891, 0.2132,
0.1290

■ 13.3627, 0.1967,
0.1038

■ 23.8114, 0.2307,
0.1587

■ 10.3661, 0.1824,
0.0847

■ 31.5691, 0.2482,
0.1909

■ 8.5956, 0.1709,
0.0727

■ 41.1882, 0.2649,
0.2236

■ 8.1632, 0.1676,
0.0697

■ 52.7820, 0.2802,
0.2554

■ 66.4547, 0.2939,
0.2853

■ 82.3032, 0.3058,
0.3126

■ 99.3900, 0.3162,
0.3357

■ 99.5588, 0.3167,
0.3357

Harmonies

Analogous

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



17.7891, 0.1216, 0.1135



17.7891, 0.2132, 0.1290



17.7891, 0.3751, 0.1755

Triad

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



17.7891, 0.2132, 0.1290



17.7891, 0.5795, 0.4205



17.7891, 0.1024, 0.3654

Complementary

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



17.7891, 0.2132, 0.1290



80.0537, 0.3695, 0.5018

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.



17.7891, 0.1904, 0.6097



17.7891, 0.2132, 0.1290



17.7891, 0.4562, 0.5438

Square

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



17.7891, 0.2132, 0.1290



17.7891, 0.6321, 0.3253



17.7891, 0.3175, 0.6587



17.7891, 0.0728, 0.1964

Rectangle

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



17.7891, 0.2132, 0.1290



17.7891, 0.5030, 0.2217



17.7891, 0.3175, 0.6587



17.7891, 0.1247, 0.4491

Sweetspot

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



17.7896, 0.2132, 0.1290



65.4411, 0.2893, 0.2751



50.5138, 0.2201, 0.2682



13.1285, 0.2854, 0.2667



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.



17.7896, 0.2132, 0.1290



12.9259, 0.1913, 0.0962



27.0001, 0.2851, 0.1628



16.8876, 0.3024, 0.3048



4.4708, 0.1690, 0.0704



0.4658, 0.1812, 0.0772

Inverse Universe

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



30.3157, 0.3723, 0.2161



27.5967, 0.3891, 0.2051



71.6782, 0.3184, 0.5343



17.4334, 0.3183, 0.3123



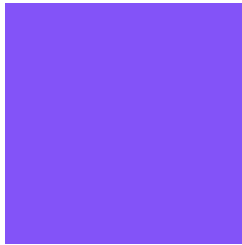
12.4959, 0.4114, 0.2040



1.1758, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 17.7891, 0.2132, 0.1290 looks on a white background.

Color Contrast Check

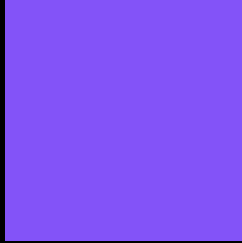
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.7891, 0.2132, 0.1290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

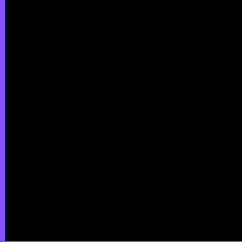
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7891, 0.2132, 0.1290

Background



This preview shows how black text looks on a background with the Yxy color 17.7891, 0.2132, 0.1290.

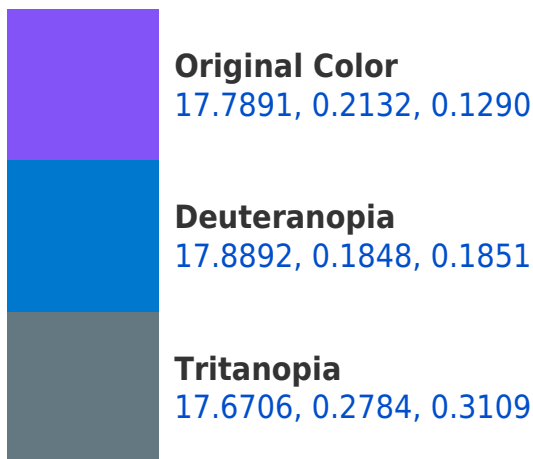


This preview shows how white text looks on a background with the Yxy color 17.7891, 0.2132, 0.1290.

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

17.7891, 0.2132, 0.1290



Deuteranomaly

16.3642, 0.1835, 0.1538



Tritanomaly

16.8735, 0.2488, 0.2180

Monochromacy



Original Color

17.7891, 0.2132, 0.1290



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6459, 0.2658, 0.2265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7891, 0.2132, 0.1290 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(131, 83, 248)` looks like.

```
.text, #text, p{  
    color:rgb(131, 83, 248)  
}
```

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(131, 83, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 83, 248) }
```

Border

The CSS property to change the border of an element to Yxy 17.7891, 0.2132, 0.1290 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(131, 83, 248) }
```

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

```
.border{ border-color:rgb(131, 83, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 83, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 83, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 83, 248);  
box-shadow:4px 4px 4px 4px rgb(131, 83,  
248) }
```

Background

The CSS property to change the background color of an element to Yxy 17.7891, 0.2132, 0.1290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 83, 248) }
```

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

```
.background{ background-color: rgb(131, 83,  
248) }
```

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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