

Converting Colors

$Y_{xy}(17.1093, 0.2131, 0.1308)$

Have a look what the booklet for
Yxy(17.1093, 0.2131, 0.1308)
contains.

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Color

Yxy(17.1093, 0.2131, 0.1308)

Conversions

Conversions Part 1

Format	Color
Hex	7F53F2
RGB	127, 83, 242
RGB Percent	50%, 33%, 95%
CMY	0.5018, 0.6746, 0.0511
CMYK	0.47, 0.66, 0.00, 0.05
HSL	257°, 86%, 64%
HSV	257°, 66%, 95%
XYZ	27.8746, 17.1093, 85.8212
YIQ	114.2820, -24.8150, 58.7770

Conversions

Conversions Part 2

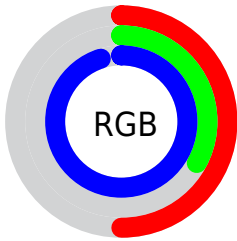
Format	Color
R _Y B	127, 83, 242
Decimal	8344562
CIE Lab	48.40, 54.62, -73.72
CIE LCh	48, 91.746, 306.537
Yxy	17.1093, 0.2131, 0.1308
Android (android.graphics.Color)	4286534642 (0xFF7F53F2)
YUV	114.2820, 62.9650, 11.1537
Hunter-Lab	41.3634, 47.9042, -94.0611

Details

The Yxy color **17.1093, 0.2131, 0.1308** 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 **76.1117, 0.3708, 0.4988**, and the grayscale version is **16.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1127, 0.2605, 0.1938**, and **5.5926, 0.1789, 0.0884** is the 20% darker color. If you saturate the color by 10%, you get **12.8024, 0.1964, 0.1050**, and if you desaturate by 10%, it is **22.9417, 0.2308, 0.1610**.

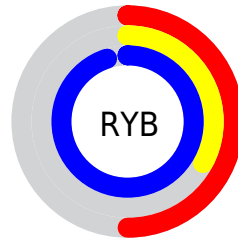
Distribution



Red (50%)

Green (33%)

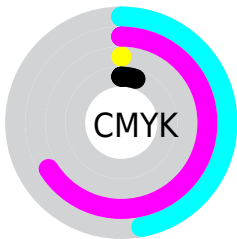
Blue (95%)



Red (50%)

Yellow (33%)

Blue (95%)

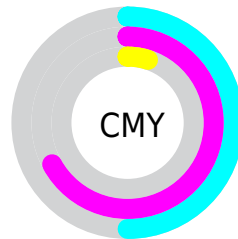


Cyan (47%)

Magenta (66%)

Yellow (0%)

Black (5%)



Cyan (50%)


Magenta (67%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1093, 0.2131, 0.1308 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 17.1093, 0.2131, 0.1308 by changing the saturation by 10% instead.


 17.1093, 0.2131,
0.1308


 17.1093, 0.2131,
0.1308


235.8015, 0.2693,
0.2237


 10.3125, 0.1983,
0.1113


 38.5136, 0.2344,
0.1621


 5.6066, 0.1794,
0.0889


 53.8898, 0.2422,
0.1746

 2.6074, 0.1549,
0.0636


 72.8947, 0.2487,
0.1855

 0.9304, 0.1233,
0.0370

 95.9125, 0.2541,
0.1951

 0.0000, 0.0849,
0.0000

 123.3277, 0.2588,
0.2035

 0.0000, 0.0152,
0.0000

155.5246, 0.2628,

 0.0000, 0.0000,

0.2110

0.0000

192.8878, 0.2663,
0.2177

■ 17.1093, 0.2131,
0.1308

■ 17.1093, 0.2131,
0.1308

■ 12.8024, 0.1964,
0.1050

■ 22.9417, 0.2308,
0.1610

■ 9.8662, 0.1818,
0.0853

■ 30.4302, 0.2485,
0.1934

■ 8.1137, 0.1702,
0.0727

■ 39.6927, 0.2654,
0.2262

■ 7.6048, 0.1661,
0.0689

■ 50.8358, 0.2808,
0.2580

■ 63.9577, 0.2946,
0.2877

79.1493, 0.3066,
0.3148

96.4961, 0.3170,
0.3391

99.1896, 0.3203,
0.3415

Harmonies

Analogous

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



17.1093, 0.1230, 0.1158



17.1093, 0.2131, 0.1308



17.1093, 0.3717, 0.1767

Triad

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



17.1093, 0.2131, 0.1308



17.1093, 0.5794, 0.4206



17.1093, 0.1061, 0.3685

Complementary

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



17.1093, 0.2131, 0.1308



76.1117, 0.3708, 0.4988

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.



17.1093, 0.1948, 0.6059



17.1093, 0.2131, 0.1308



17.1093, 0.4586, 0.5414

Square

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



17.1093, 0.2131, 0.1308



17.1093, 0.6277, 0.3258



17.1093, 0.3214, 0.6526



17.1093, 0.0754, 0.2003

Rectangle

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



17.1093, 0.2131, 0.1308



17.1093, 0.4973, 0.2224



17.1093, 0.3214, 0.6526



17.1093, 0.1288, 0.4505

Sweetspot

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



17.1098, 0.2131, 0.1308



65.3316, 0.2888, 0.2750



49.3632, 0.2219, 0.2729



13.1026, 0.2849, 0.2666



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.



17.1098, 0.2131, 0.1308



13.0915, 0.1910, 0.0973



25.5566, 0.2830, 0.1634



15.4407, 0.3023, 0.3049



4.1445, 0.1675, 0.0696



0.3927, 0.1810, 0.0771

Inverse Universe

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



29.1320, 0.3685, 0.2152



27.9884, 0.3842, 0.2034



68.1157, 0.3200, 0.5307



15.9523, 0.3180, 0.3121



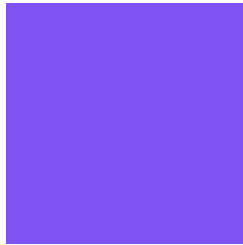
11.8268, 0.4060, 0.2010



1.0006, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 17.1093, 0.2131, 0.1308 looks on a white background.

Color Contrast Check

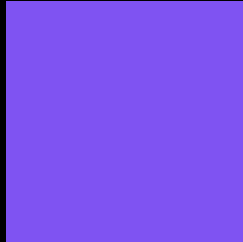
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1093, 0.2131, 0.1308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

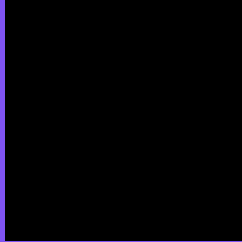
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1093, 0.2131, 0.1308

Background



This preview shows how black text looks on a background with the Yxy color 17.1093, 0.2131, 0.1308.



This preview shows how white text looks on a background with the Yxy color 17.1093, 0.2131, 0.1308.

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

17.1093, 0.2131, 0.1308

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.0344, 0.1842, 0.1830



Tritanopia

17.0022, 0.2758, 0.3085

Trichromacy



Original Color

17.1093, 0.2131, 0.1308



Protanomaly

16.0026, 0.1768, 0.1343



Deuteranomaly

15.6937, 0.1832, 0.1537



Tritanomaly

16.0935, 0.2468, 0.2173

Monochromacy



Original Color

17.1093, 0.2131, 0.1308



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.1956, 0.2663, 0.2283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1093, 0.2131, 0.1308 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(127, 83, 242)` looks like.

```
.text, #text, p{  
    color:rgb(127, 83, 242)  
}
```

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(127, 83, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 83, 242) }
```

Border

The CSS property to change the border of an element to Yxy 17.1093, 0.2131, 0.1308 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(127, 83, 242) }
```

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

```
.border{ border-color:rgb(127, 83, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 83, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 83, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 83, 242);  
box-shadow:4px 4px 4px 4px rgb(127, 83,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1093, 0.2131, 0.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 83, 242) }
```

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

```
.background{ background-color: rgb(127, 83,  
242) }
```

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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