

Converting Colors

$Y_{xy}(17.0870, 0.2292, 0.1471)$

Have a look what the booklet for
Yxy(17.0870, 0.2292, 0.1471)
contains.

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Color

Yxy(17.1057, 0.2292, 0.1473)

Conversions

Conversions Part 1

Format	Color
Hex	8656E0
RGB	134, 86, 224
RGB Percent	53%, 34%, 88%
CMY	0.4743, 0.6628, 0.1216
CMYK	0.40, 0.62, 0.00, 0.12
HSL	261°, 69%, 61%
HSV	261°, 62%, 88%
XYZ	26.6166, 17.1057, 72.4060
YIQ	116.0840, -15.6900, 53.0940

Conversions

Conversions Part 2

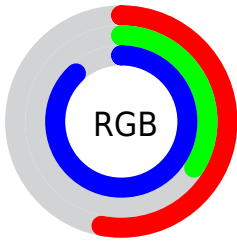
Format	Color
RYB	134, 86, 224
Decimal	8804064
CIELab	48.39, 49.56, -63.55
CIELCh	48, 80.591, 307.953
Yxy	17.1057, 0.2292, 0.1473
Android (android.graphics.Color)	4286994144 (0xFF8656E0)
YUV	116.0840, 53.2026, 15.7123
Hunter-Lab	41.3590, 42.4954, -74.8459

Details

The Yxy color **17.1057, 0.2292, 0.1473** 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 **63.1938, 0.3611, 0.4938**, and the grayscale version is **17.3308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6034, 0.2648, 0.1983**, and **5.6254, 0.1982, 0.1044** is the 20% darker color. If you saturate the color by 10%, you get **12.9550, 0.2129, 0.1203**, and if you desaturate by 10%, it is **22.5432, 0.2457, 0.1776**.

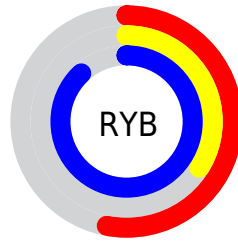
Distribution



Red (53%)

Green (34%)

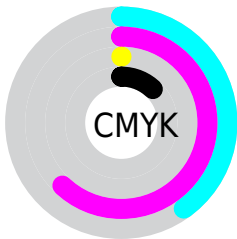
Blue (88%)



Red (53%)

Yellow (34%)

Blue (88%)

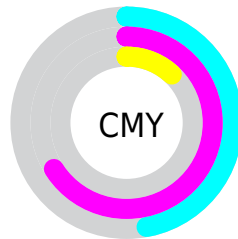


Cyan (40%)

Magenta (62%)

Yellow (0%)

Black (12%)



Cyan (47%)


Magenta (66%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1057, 0.2292, 0.1473 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 17.1057, 0.2292, 0.1473 by changing the saturation by 10% instead.


 17.1057, 0.2292,
0.1473


 17.1057, 0.2292,
0.1473


235.7808, 0.2775,
0.2354

 10.3099, 0.2158,
0.1277


 38.5074, 0.2479,
0.1778


 5.6049, 0.1982,
0.1045


 53.8821, 0.2547,
0.1898

 2.6064, 0.1745,
0.0773

 72.8852, 0.2602,
0.2001

 0.9299, 0.1424,
0.0470

 95.9011, 0.2648,
0.2090

 0.0000, 0.1012,
0.0000

 123.3142, 0.2687,
0.2169

 0.0000, 0.0000,
0.0000

155.5090, 0.2721,

0.2238

192.8697, 0.2750,
0.2299

■ 17.1057, 0.2292,
0.1473

■ 17.1057, 0.2292,
0.1473

■ 12.9550, 0.2129,
0.1203

■ 22.5432, 0.2457,
0.1776

■ 9.9740, 0.1978,
0.0984

■ 29.3670, 0.2615,
0.2093

■ 8.0259, 0.1847,
0.0827

■ 37.6683, 0.2762,
0.2409

■ 7.0007, 0.1755,
0.0740

■ 47.5300, 0.2895,
0.2712

■ 59.0286, 0.3012,
0.2994

■ 72.2357, 0.3112,
0.3251

■ 87.2183, 0.3198,
0.3483

■ 97.3777, 0.3283,
0.3594

■ 98.1608, 0.3310,
0.3592

Harmonies

Analogous

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



17.1057, 0.1408, 0.1316



17.1057, 0.2292, 0.1473



17.1057, 0.3746, 0.1928

Triad

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



17.1057, 0.2292, 0.1473



17.1057, 0.5559, 0.4288



17.1057, 0.1230, 0.3578

Complementary

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



17.1057, 0.2292, 0.1473



63.1938, 0.3611, 0.4938

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.



17.1057, 0.2073, 0.5585



17.1057, 0.2292, 0.1473



17.1057, 0.4530, 0.5390

Square

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



17.1057, 0.2292, 0.1473



17.1057, 0.5983, 0.3391



17.1057, 0.3268, 0.6204



17.1057, 0.0921, 0.2114

Rectangle

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



17.1057, 0.2292, 0.1473



17.1057, 0.4840, 0.2371



17.1057, 0.3268, 0.6204



17.1057, 0.1449, 0.4262

Sweetspot

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



17.1063, 0.2292, 0.1473



68.8913, 0.2937, 0.2812



39.1925, 0.2233, 0.2635



13.8197, 0.2902, 0.2728



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.



17.1063, 0.2292, 0.1473



16.0585, 0.2084, 0.1133



24.4492, 0.2953, 0.1767



13.4742, 0.3035, 0.3051



4.1335, 0.1769, 0.0748



0.3351, 0.1941, 0.0843

Inverse Universe

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



25.6292, 0.3764, 0.2303



28.8780, 0.3959, 0.2181



57.2231, 0.3152, 0.5208



13.8503, 0.3191, 0.3138



10.4546, 0.4327, 0.2157



0.7414, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 17.1057, 0.2292, 0.1473 looks on a white background.

Color Contrast Check

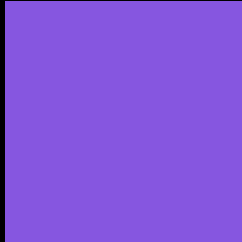
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1057, 0.2292, 0.1473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

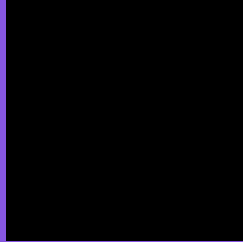
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1057, 0.2292, 0.1473

Background



This preview shows how black text looks on a background with the Yxy color 17.1057, 0.2292, 0.1473.



This preview shows how white text looks on a background with the Yxy color 17.1057, 0.2292, 0.1473.

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

17.1057, 0.2292, 0.1473

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.1304, 0.1836, 0.1810



Tritanopia

17.0962, 0.2972, 0.3112

Trichromacy



Original Color

17.1057, 0.2292, 0.1473



Protanomaly

15.9252, 0.1794, 0.1397



Deuteranomaly

15.7145, 0.1861, 0.1597



Tritanomaly

16.3606, 0.2674, 0.2315

Monochromacy



Original Color

17.1057, 0.2292, 0.1473



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6807, 0.2772, 0.2416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1057, 0.2292, 0.1473 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(134, 86, 224)` looks like.

```
.text, #text, p{  
    color:rgb(134, 86, 224)  
}
```

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(134, 86, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 86, 224) }
```

Border

The CSS property to change the border of an element to Yxy 17.1057, 0.2292, 0.1473 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(134, 86, 224) }
```

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

```
.border{ border-color:rgb(134, 86, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 86, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 86, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 86, 224);  
box-shadow:4px 4px 4px 4px rgb(134, 86,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1057, 0.2292, 0.1473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 86, 224) }
```

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

```
.background{ background-color: rgb(134, 86,  
224) }
```

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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