

Converting Colors

$Y_{xy}(22.1086, 0.2465, 0.1650)$

Have a look what the booklet for
Yxy(22.1086, 0.2465, 0.1650)
contains.

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Color

Yxy(22.1086, 0.2465, 0.1650)

Conversions

Conversions Part 1

Format	Color
Hex	9D64E8
RGB	157, 100, 232
RGB Percent	62%, 39%, 91%
CMY	0.3842, 0.6079, 0.0903
CMYK	0.32, 0.57, 0.00, 0.09
HSL	266°, 74%, 65%
HSV	266°, 57%, 91%
XYZ	33.0289, 22.1086, 78.8540
YIQ	132.0910, -8.4000, 53.1360

Conversions

Conversions Part 2

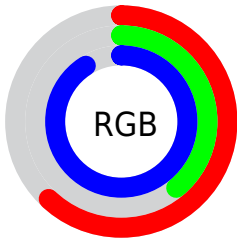
Format	Color
R _Y B	157, 100, 232
Decimal	10314984
CIE Lab	54.14, 49.19, -58.67
CIE LCh	54, 76.561, 309.976
Yxy	22.1086, 0.2465, 0.1650
Android (android.graphics.Color)	4288505064 (0xFF9D64E8)
YUV	132.0910, 49.2551, 21.8452
Hunter-Lab	47.0198, 43.1022, -66.5178

Details

The Yxy color **22.1086, 0.2465, 0.1650** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **67.7281, 0.3509, 0.4869**, and the grayscale version is **22.9315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4495, 0.2844, 0.2200**, and **8.0011, 0.2221, 0.1261** is the 20% darker color. If you saturate the color by 10%, you get **17.0208, 0.2317, 0.1375**, and if you desaturate by 10%, it is **28.6073, 0.2610, 0.1950**.

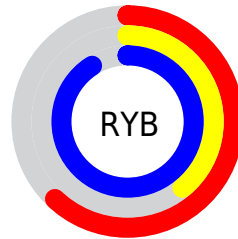
Distribution



Red (62%)

Green (39%)

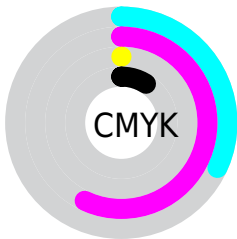
Blue (91%)



Red (62%)

Yellow (39%)

Blue (91%)

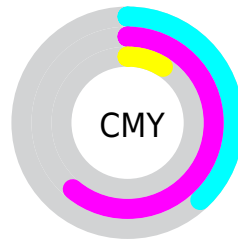


Cyan (32%)

Magenta (57%)

Yellow (0%)

Black (9%)



Cyan (38%)


Magenta (61%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1086, 0.2465, 0.1650 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 22.1086, 0.2465, 0.1650 by changing the saturation by 10% instead.


 22.1086, 0.2465,
0.1650


 22.1086, 0.2465,
0.1650


263.1129, 0.2843,
0.2433


 13.9367, 0.2361,
0.1475


 46.9254, 0.2611,
0.1921


 8.0767, 0.2223,
0.1264


 64.3392, 0.2664,
0.2027

 4.1440, 0.2037,
0.1012


 85.6023, 0.2707,
0.2119

 1.7545, 0.1779,
0.0714

 111.0992, 0.2743,
0.2198

 0.4585, 0.1421,
0.0341

141.2144, 0.2774,
0.2268

 0.0000, 0.0886,
0.0000

176.3321, 0.2801,

 0.0000, 0.0000,

0.2330

0.0000

216.8368, 0.2823,
0.2385

■ 22.1086, 0.2465,
0.1650

■ 22.1086, 0.2465,
0.1650

■ 17.0208, 0.2317,
0.1375

■ 28.6073, 0.2610,
0.1950

■ 13.2263, 0.2171,
0.1141

■ 36.6166, 0.2745,
0.2258

■ 10.5915, 0.2036,
0.0961


■ 46.2295, 0.2868,
0.2561


■ 8.9448, 0.1918,
0.0841


■ 57.5309, 0.2976,
0.2850

■ 8.5487, 0.1884,
0.0812

■ 70.5993, 0.3070,
0.3118

 85.5083, 0.3151,
0.3364

 97.5290, 0.3225,
0.3515

 98.6050, 0.3262,
0.3513

Harmonies

Analogous

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



22.1086, 0.1604, 0.1484



22.1086, 0.2465, 0.1650



22.1086, 0.3784, 0.2099

Triad

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



22.1086, 0.2465, 0.1650



22.1086, 0.5321, 0.4363



22.1086, 0.1391, 0.3461

Complementary

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



22.1086, 0.2465, 0.1650



67.7281, 0.3509, 0.4869

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.



22.1086, 0.2164, 0.5145



22.1086, 0.2465, 0.1650



22.1086, 0.4398, 0.5294

Square

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



22.1086, 0.2465, 0.1650



22.1086, 0.5687, 0.3514



22.1086, 0.3269, 0.5860



22.1086, 0.1099, 0.2208

Rectangle

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



22.1086, 0.2465, 0.1650



22.1086, 0.4724, 0.2525



22.1086, 0.3269, 0.5860



22.1086, 0.1594, 0.4026

Sweetspot

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



22.1094, 0.2465, 0.1650



71.0188, 0.2974, 0.2844



39.9722, 0.2254, 0.2535



14.5602, 0.2953, 0.2787



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.



22.1094, 0.2465, 0.1650



20.3160, 0.2295, 0.1338



30.3070, 0.3081, 0.1908



14.1902, 0.3048, 0.3052



4.8181, 0.1901, 0.0821



0.4100, 0.2064, 0.0911

Inverse Universe

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



29.3581, 0.3838, 0.2473



30.5323, 0.4057, 0.2361



62.0001, 0.3097, 0.5093



14.5044, 0.3204, 0.3157



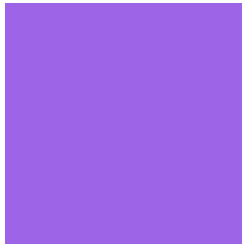
10.4709, 0.4669, 0.2346



0.7923, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 22.1086, 0.2465, 0.1650 looks on a white background.

Color Contrast Check

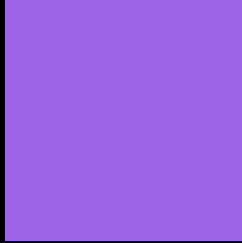
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1086, 0.2465, 0.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

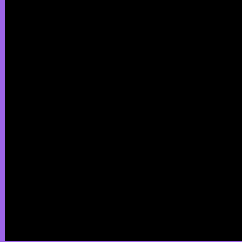
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1086, 0.2465, 0.1650

Background



This preview shows how black text looks on a background with the Yxy color 22.1086, 0.2465, 0.1650.



This preview shows how white text looks on a background with the Yxy color 22.1086, 0.2465, 0.1650.

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

22.1086, 0.2465, 0.1650

Protanopia

22.5156, 0.1814, 0.1535

Deuteranopia

22.3726, 0.1926, 0.1868



Tritanopia

22.1026, 0.3159, 0.3119

Trichromacy



Original Color

22.1086, 0.2465, 0.1650



Protanomaly

21.2809, 0.1946, 0.1531



Deuteranomaly

21.2080, 0.2039, 0.1734



Tritanomaly

21.6826, 0.2871, 0.2451

Monochromacy



Original Color

22.1086, 0.2465, 0.1650



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.9228, 0.2858, 0.2530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1086, 0.2465, 0.1650 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(157, 100, 232)` looks like.

```
.text, #text, p{  
    color:rgb(157, 100, 232)  
}
```

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(157, 100, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 100, 232) }
```

Border

The CSS property to change the border of an element to Yxy 22.1086, 0.2465, 0.1650 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(157, 100, 232) }
```

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

```
.border{ border-color:rgb(157, 100, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 100, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 100, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 100, 232);  
box-shadow:4px 4px 4px 4px rgb(157, 100,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1086, 0.2465, 0.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 100, 232) }
```

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

```
.background{ background-color: rgb(157,  
100, 232) }
```

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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