

Converting Colors

$Y_{xy}(22.8170, 0.4763, 0.2454)$

Have a look what the booklet for
Yxy(22.8170, 0.4763, 0.2454)
contains.

| | |
|---|----|
| Yxy(22.8254, 0.4770, 0.2458) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(22.8254, 0.4770, 0.2458)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FA1989 |
| RGB | 250, 25, 137 |
| RGB Percent | 98%, 10%, 54% |
| CMY | 0.0195, 0.9023, 0.4627 |
| CMYK | 0.00, 0.90, 0.45, 0.02 |
| HSL | 330°, 96%, 54% |
| HSV | 330°, 90%, 98% |
| XYZ | 44.2950, 22.8254, 25.7413 |
| YIQ | 105.0430, 98.1480, 82.5320 |

Conversions

Conversions Part 2

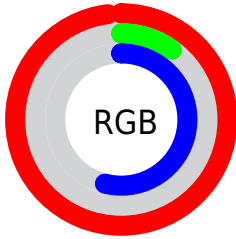
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 250, 25, 137 |
| Decimal | 16390537 |
| CIE _{Lab} | 54.89, 82.08, -1.44 |
| CIE _{LCh} | 55, 82.096, 358.996 |
| Yxy | 22.8254, 0.4770, 0.2458 |
| Android (android.graphics.Color) | 4294580617 (0xFFFA1989) |
| YUV | 105.0430, 15.7548, 127.1273 |
| Hunter-Lab | 47.7759, 81.8867, 1.4982 |

Details

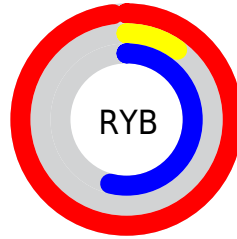
The Yxy color **22.8254, 0.4770, 0.2458** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **70.4263, 0.2699, 0.4852**, and the grayscale version is **14.0625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0809, 0.3881, 0.2449**, and **11.2529, 0.5108, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **21.7970, 0.5008, 0.2532**, and if you desaturate by 10%, it is **24.7905, 0.4520, 0.2434**.

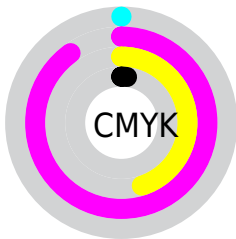
Distribution



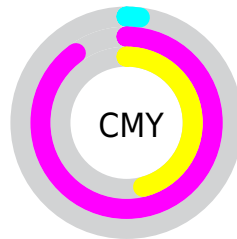
- Red (98%)
- Green (10%)
- Blue (54%)



- Red (98%)
- Yellow (10%)
- Blue (54%)



- Cyan (0%)
- Magenta (90%)
- Yellow (45%)
- Black (2%)



- Cyan (2%)
- Magenta (90%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8254, 0.4770, 0.2458 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 22.8254, 0.4770, 0.2458 by changing the saturation by 10% instead.


 22.8254, 0.4770,
0.2458

 22.8254, 0.4770,
0.2458


266.8269, 0.3870,
0.2911


 14.4646, 0.5019,
0.2334


 48.1065, 0.4425,
0.2631


 8.4445, 0.5351,
0.2169


 65.7956, 0.4300,
0.2693


 4.3807, 0.5812,
0.1942

 87.3629, 0.4198,
0.2745

 1.8887, 0.6481,
0.1614

 113.1929, 0.4111,
0.2789

 0.5416, 0.7589,
0.1060

 143.6699, 0.4037,
0.2826

 0.0000, 1.0000,
0.0000

179.1783, 0.3974,

 0.0000, 0.0000,

0.2858

0.0000

220.1025, 0.3919,
0.2886

■ 22.8254, 0.4770,
0.2458

■ 22.8254, 0.4770,
0.2458

■ 21.7970, 0.5008,
0.2532

■ 24.7905, 0.4520,
0.2434

■ 27.9622, 0.4270,
0.2463


■ 32.5095, 0.4034,
0.2537


■ 38.5731, 0.3819,
0.2643

■ 46.2764, 0.3631,
0.2767

 55.7296, 0.3470,
0.2900

 67.0336, 0.3334,
0.3035

 80.2813, 0.3221,
0.3166

 95.5596, 0.3127,
0.3290

Harmonies

Analogous

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



22.8254, 0.3263, 0.1843



22.8254, 0.4770, 0.2458



22.8254, 0.5730, 0.3201

Triad

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



22.8254, 0.4770, 0.2458



22.8254, 0.3675, 0.5876



22.8254, 0.1036, 0.1704

Complementary

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



22.8254, 0.4770, 0.2458



70.4263, 0.2699, 0.4852

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.



22.8254, 0.1074, 0.2524



22.8254, 0.4770, 0.2458



22.8254, 0.2494, 0.5754

Square

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



22.8254, 0.4770, 0.2458



22.8254, 0.4814, 0.4994



22.8254, 0.1535, 0.4128



22.8254, 0.1334, 0.1424

Rectangle

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



22.8254, 0.4770, 0.2458



22.8254, 0.5777, 0.3735



22.8254, 0.1535, 0.4128



22.8254, 0.1011, 0.1902

Sweetspot

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



22.8267, 0.4770, 0.2458



61.6314, 0.3427, 0.2941



12.9532, 0.2114, 0.0978



12.3803, 0.3476, 0.2895



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.



22.8267, 0.4770, 0.2458



22.7918, 0.5010, 0.2534



21.0901, 0.6250, 0.3299



17.3694, 0.3216, 0.3172



11.5880, 0.4971, 0.2512



1.0946, 0.4704, 0.2365

Inverse Universe

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



22.8267, 0.4770, 0.2458



22.7918, 0.5010, 0.2534



75.4972, 0.2258, 0.3287



17.3694, 0.3216, 0.3172



11.5880, 0.4971, 0.2512



1.0946, 0.4704, 0.2365

Previews

White Background



This preview shows how the Yxy color 22.8254, 0.4770, 0.2458 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 22.8254, 0.4770, 0.2458 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 22.8254, 0.4770, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 22.8254, 0.4770, 0.2458.



This preview shows how white text looks on a background with the Yxy color 22.8254, 0.4770, 0.2458.

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

22.8254, 0.4770, 0.2458

Protanopia

23.2849, 0.2379, 0.2271

Deuteranopia

23.1737, 0.3366, 0.3307



Tritanopia

22.9347, 0.5785, 0.3291

Trichromacy



Original Color

22.8254, 0.4770, 0.2458



Protanomaly

18.3917, 0.3032, 0.2115



Deuteranomaly

19.3112, 0.3907, 0.2733



Tritanomaly

22.4163, 0.5500, 0.3003

Monochromacy



Original Color

22.8254, 0.4770, 0.2458



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.7223, 0.3823, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8254, 0.4770, 0.2458 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(250, 25, 137)` looks like.

```
.text, #text, p{  
    color:rgb(250, 25, 137)  
}
```

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(250, 25, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 25, 137) }
```

Border

The CSS property to change the border of an element to Yxy 22.8254, 0.4770, 0.2458 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(250, 25, 137) }
```

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

```
.border{ border-color:rgb(250, 25, 137) }
```

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

Here you see how a box with a 4 pixel rgb(250, 25, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 25, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 25, 137);  
box-shadow:4px 4px 4px 4px rgb(250, 25,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8254, 0.4770, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 25, 137) }
```

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

```
.background{ background-color: rgb(250, 25,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor