

Converting Colors

$Y_{xy}(48.3158, 0.3193, 0.2237)$

Have a look what the booklet for
Yxy(48.3158, 0.3193, 0.2237)
contains.

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Color

Yxy(48.2984, 0.3194, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	FF90FD
RGB	255, 144, 253
RGB Percent	100%, 56%, 99%
CMY	0.0001, 0.4352, 0.0080
CMYK	0.00, 0.44, 0.01, 0.00
HSL	301°, 100%, 78%
HSV	301°, 44%, 100%
XYZ	68.9299, 48.2984, 98.5823
YIQ	189.6150, 31.1670, 57.4310

Conversions

Conversions Part 2

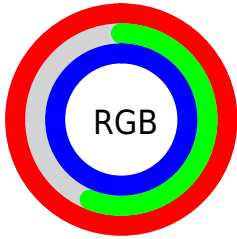
Format	Color
R_{YB}	255, 144, 253
Decimal	16748797
CIE _{Lab}	75.01, 56.92, -36.56
CIE _{LCh}	75, 67.656, 327.286
Yxy	48.2984, 0.3194, 0.2238
Android (android.graphics.Color)	4294938877 (0xFFFF90FD)
YUV	189.6150, 31.2488, 57.3426
Hunter-Lab	69.4971, 55.4234, -35.4555

Details

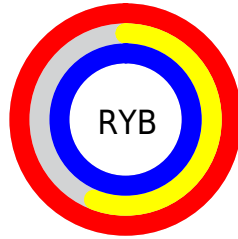
The Yxy color **48.2984, 0.3194, 0.2238** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.5124, 0.3054, 0.4629**, and the grayscale version is **51.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **22.8660, 0.3187, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **41.3980, 0.3209, 0.2031**, and if you desaturate by 10%, it is **56.9472, 0.3178, 0.2469**.

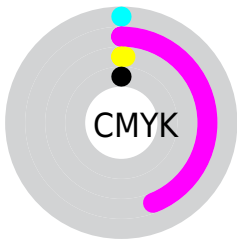
Distribution



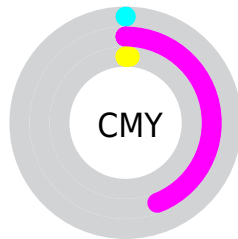
- Red (100%)
- Green (56%)
- Blue (99%)



- Red (100%)
- Yellow (56%)
- Blue (99%)



- Cyan (0%)
- Magenta (44%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2984, 0.3194, 0.2238 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 48.2984, 0.3194, 0.2238 by changing the saturation by 10% instead.


 48.2984, 0.3194,
0.2238


 48.2984, 0.3194,
0.2238


379.9737, 0.3180,
0.2708

 34.0633, 0.3193,
0.2136


 87.6485, 0.3192,
0.2397

 22.9422, 0.3190,
0.2012


 113.5323, 0.3191,
0.2460

 14.5508, 0.3183,
0.1860


144.0677, 0.3189,
0.2515

 8.5048, 0.3168,
0.1671

179.6392, 0.3187,
0.2563

 4.4196, 0.3138,
0.1429

220.6312, 0.3185,
0.2606

 1.9109, 0.3077,
0.1117

267.4280, 0.3183,

 0.5549, 0.2959,

0.2644

0.0673

320.4140, 0.3182,
0.2678

■ 0.0000, 0.2705,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2984, 0.3194,
0.2238

■ 48.2984, 0.3194,
0.2238

■ 41.3980, 0.3209,
0.2031

■ 56.9472, 0.3178,
0.2469

■ 36.1206, 0.3223,
0.1856

■ 67.4458, 0.3162,
0.2713

■ 32.3348, 0.3235,
0.1721

■ 79.8953, 0.3147,
0.2961

■ 29.8857, 0.3244,
0.1630

■ 94.3878, 0.3132,
0.3206

■ 28.5844, 0.3252,
0.1581

99.9951, 0.3127,
0.3290

■ 28.1786, 0.3256,
0.1567

Harmonies

Analogous

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



48.2984, 0.2353, 0.1970



48.2984, 0.3194, 0.2238



48.2984, 0.4152, 0.2711

Triad

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



48.2984, 0.3194, 0.2238



48.2984, 0.4478, 0.4598



48.2984, 0.1674, 0.2901

Complementary

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



48.2984, 0.3194, 0.2238



79.5124, 0.3054, 0.4629

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.



48.2984, 0.2103, 0.3902



48.2984, 0.3194, 0.2238



48.2984, 0.3716, 0.5005

Square

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



48.2984, 0.3194, 0.2238



48.2984, 0.4921, 0.3963



48.2984, 0.2848, 0.4796



48.2984, 0.1587, 0.2240

Rectangle

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



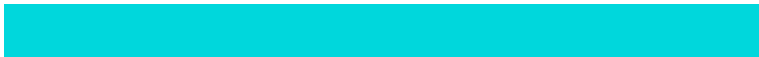
48.2984, 0.3194, 0.2238



48.2984, 0.4659, 0.3102



48.2984, 0.2848, 0.4796



48.2984, 0.1777, 0.3208

Sweetspot

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



48.3006, 0.3194, 0.2238



80.6042, 0.3146, 0.2974



33.2748, 0.2317, 0.1934



16.6224, 0.3150, 0.2919



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.



48.3006, 0.3194, 0.2238



42.3433, 0.3207, 0.2060



45.2727, 0.3711, 0.2738



18.2944, 0.3141, 0.3060



14.7299, 0.3255, 0.1567



1.4360, 0.3250, 0.1564

Inverse Universe

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



48.3006, 0.3194, 0.2238



42.3433, 0.3207, 0.2060



81.6692, 0.2785, 0.3932



18.2944, 0.3141, 0.3060



14.7299, 0.3255, 0.1567



1.4360, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 48.2984, 0.3194, 0.2238 looks on a white background.

Color Contrast Check

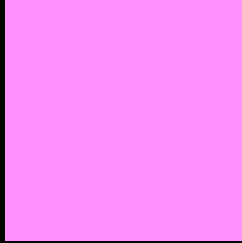
Large Text (above 18pt) WCAG AA × Fail

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 48.2984, 0.3194, 0.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

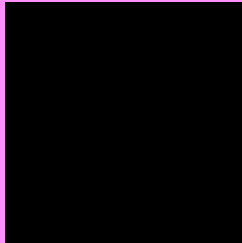
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2984, 0.3194, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 48.2984, 0.3194, 0.2238.



This preview shows how white text looks on a background with the Yxy color 48.2984, 0.3194, 0.2238.

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

48.2984, 0.3194, 0.2238

Protanopia

48.7684, 0.2494, 0.2438

Deuteranopia

48.5447, 0.2587, 0.2526



Tritanopia

48.3091, 0.3809, 0.3161

Trichromacy



Original Color

48.2984, 0.3194, 0.2238



Protanomaly

47.2675, 0.2714, 0.2339



Deuteranomaly

47.1242, 0.2776, 0.2382



Tritanomaly

47.8942, 0.3580, 0.2785

Monochromacy



Original Color

48.2984, 0.3194, 0.2238



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

48.9874, 0.3157, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2984, 0.3194, 0.2238 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(255, 144, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 253)  
}
```

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(255, 144, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 253) }
```

Border

The CSS property to change the border of an element to Yxy 48.2984, 0.3194, 0.2238 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(255, 144, 253) }
```

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

```
.border{ border-color:rgb(255, 144, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2984, 0.3194, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 253) }
```

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

```
.background{ background-color: rgb(255,  
144, 253) }
```

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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