

Converting Colors

$Y_{xy}(43.5658, 0.3173, 0.2079)$

Have a look what the booklet for
Yxy(43.5658, 0.3173, 0.2079)
contains.

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Color

Yxy(43.7292, 0.3175, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	FE80FF
RGB	254, 128, 255
RGB Percent	100%, 50%, 100%
CMY	0.0038, 0.4981, 0.0000
CMYK	0.00, 0.50, 0.00, 0.00
HSL	300°, 100%, 75%
HSV	300°, 50%, 100%
XYZ	66.6540, 43.7292, 99.5506
YIQ	180.1520, 34.3290, 66.2090

Conversions

Conversions Part 2

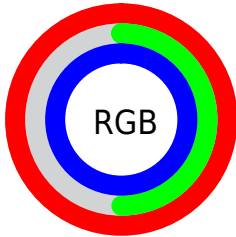
Format	Color
R _Y B	254, 128, 255
Decimal	16679167
CIE _{Lab}	72.05, 64.71, -42.31
CIE _{LCh}	72, 77.312, 326.821
Yxy	43.7292, 0.3175, 0.2083
Android (android.graphics.Color)	4294869247 (0xFFFE80FF)
YUV	180.1520, 36.9001, 64.7647
Hunter-Lab	66.1281, 64.1955, -42.9668

Details

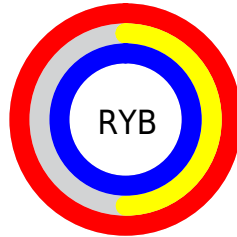
The Yxy color **43.7292, 0.3175, 0.2083** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.7404, 0.3057, 0.4880**, and the grayscale version is **45.5097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **20.1858, 0.3160, 0.1825** is the 20% darker color. If you saturate the color by 10%, you get **37.8579, 0.3182, 0.1892**, and if you desaturate by 10%, it is **51.2730, 0.3167, 0.2304**.

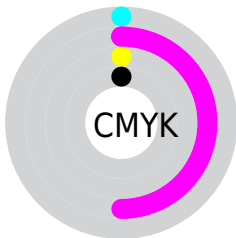
Distribution



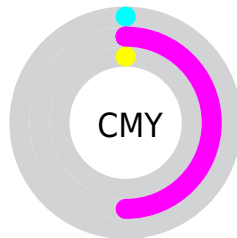
- Red (100%)
- Green (50%)
- Blue (100%)



- Red (100%)
- Yellow (50%)
- Blue (100%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7292, 0.3175, 0.2083 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 43.7292, 0.3175, 0.2083 by changing the saturation by 10% instead.


 43.7292, 0.3175,
0.2083

 43.7292, 0.3175,
0.2083


361.6021, 0.3176,
0.2621


 30.4577, 0.3169,
0.1967


 80.8101, 0.3180,
0.2264

 20.1862, 0.3159,
0.1828


 105.3883, 0.3180,
0.2336

 12.5305, 0.3142,
0.1658


 134.5041, 0.3180,
0.2399

 7.1060, 0.3113,
0.1449

168.5420, 0.3180,
0.2454

 3.5285, 0.3060,
0.1187

207.8863, 0.3179,
0.2503

 1.4135, 0.2961,
0.0861

252.9215, 0.3178,

 0.2266, 0.2815,

0.2547

0.0290

304.0320, 0.3177,
0.2586

■ 0.0000, 0.2353,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7292, 0.3175,
0.2083

■ 43.7292, 0.3175,
0.2083

■ 37.8579, 0.3182,
0.1892

■ 51.2730, 0.3167,
0.2304

■ 33.5292, 0.3187,
0.1739

■ 60.6016, 0.3158,
0.2545

■ 30.5978, 0.3190,
0.1629

■ 71.8201, 0.3148,
0.2796

■ 28.8897, 0.3191,
0.1562

■ 85.0247, 0.3137,
0.3048

■ 28.1259, 0.3190,
0.1531

100.0000, 0.3127,
0.3290

■ 28.1149, 0.3190,
0.1531

Harmonies

Analogous

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



43.7292, 0.2214, 0.1790



43.7292, 0.3175, 0.2083



43.7292, 0.4313, 0.2604

Triad

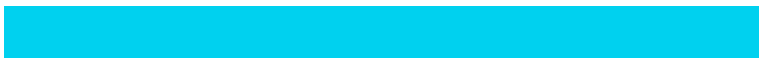
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.7292, 0.3175, 0.2083



43.7292, 0.4654, 0.4734



43.7292, 0.1468, 0.2820

Complementary

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



43.7292, 0.3175, 0.2083



77.7404, 0.3057, 0.4880

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.



43.7292, 0.1938, 0.4033



43.7292, 0.3175, 0.2083



43.7292, 0.3769, 0.5295

Square

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



43.7292, 0.3175, 0.2083



43.7292, 0.5198, 0.3983



43.7292, 0.2780, 0.5125



43.7292, 0.1382, 0.2072

Rectangle

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



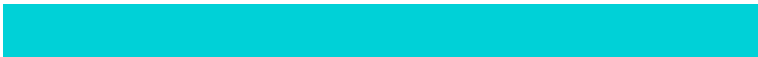
43.7292, 0.3175, 0.2083



43.7292, 0.4920, 0.3033



43.7292, 0.2780, 0.5125



43.7292, 0.1579, 0.3184

Sweetspot

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



43.7299, 0.3175, 0.2083



77.9219, 0.3143, 0.2918



27.7976, 0.2172, 0.1728



16.0942, 0.3145, 0.2864



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.



43.7299, 0.3175, 0.2083



37.7632, 0.3182, 0.1889



40.5696, 0.3790, 0.2621



18.2930, 0.3137, 0.3056



14.6939, 0.3190, 0.1531



1.4329, 0.3193, 0.1532

Inverse Universe

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



38.2757, 0.4541, 0.3284



31.7452, 0.5013, 0.3285



79.7977, 0.2769, 0.4101



17.9893, 0.3293, 0.3289



11.1120, 0.6393, 0.3295



1.0827, 0.6374, 0.3285

Previews

White Background



This preview shows how the Yxy color 43.7292, 0.3175, 0.2083 looks on a white background.

Color Contrast Check

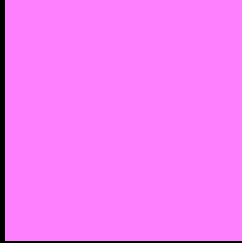
Large Text (above 18pt) WCAG AA × Fail

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 43.7292, 0.3175, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

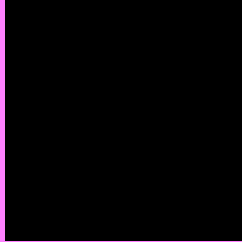
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7292, 0.3175, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 43.7292, 0.3175, 0.2083.



This preview shows how white text looks on a background with the Yxy color 43.7292, 0.3175, 0.2083.

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

43.7292, 0.3175, 0.2083

Protanopia

44.2695, 0.2399, 0.2320

Deuteranopia

44.1476, 0.2466, 0.2405



Tritanopia

43.6191, 0.3940, 0.3171

Trichromacy



Original Color

43.7292, 0.3175, 0.2083



Protanomaly

42.2385, 0.2629, 0.2187



Deuteranomaly

42.3030, 0.2684, 0.2239

Tritanomaly

43.2233, 0.3645, 0.2726

Monochromacy



Original Color

43.7292, 0.3175, 0.2083



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.2601, 0.3153, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7292, 0.3175, 0.2083 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(254, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 128, 255)  
}
```

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(254, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.7292, 0.3175, 0.2083 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(254, 128, 255) }
```

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

```
.border{ border-color:rgb(254, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7292, 0.3175, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 128, 255) }
```

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

```
.background{ background-color: rgb(254,  
128, 255) }
```

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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