

Converting Colors

$Yxy(46.0433, 0.3196, 0.2263)$

Have a look what the booklet for
Yxy(46.0433, 0.3196, 0.2263)
contains.

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Color

Yxy(45.9563, 0.3193, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	F88EF6
RGB	248, 142, 246
RGB Percent	97%, 56%, 96%
CMY	0.0275, 0.4431, 0.0352
CMYK	0.00, 0.43, 0.01, 0.03
HSL	301°, 88%, 76%
HSV	301°, 43%, 97%
XYZ	65.0148, 45.9563, 92.6456
YIQ	185.5500, 29.7920, 54.8160

Conversions

Conversions Part 2

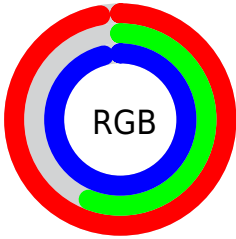
Format	Color
R _Y B	248, 142, 246
Decimal	16289526
CIE _{Lab}	73.52, 54.70, -35.18
CIE _{LCh}	74, 65.035, 327.254
Yxy	45.9563, 0.3193, 0.2257
Android (android.graphics.Color)	4294479606 (0xFFFF88EF6)
YUV	185.5500, 29.8018, 54.7686
Hunter-Lab	67.7911, 52.5555, -33.5740

Details

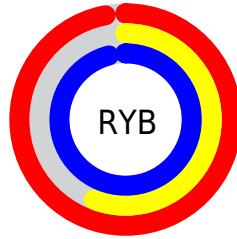
The Yxy color `45.9563, 0.3193, 0.2257` is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be `74.8867, 0.3055, 0.4599`, and the grayscale version is `48.6586, 0.3127, 0.3290`.

A 20% lighter version of the original color is `68.8682, 0.3153, 0.2732`, and `21.6007, 0.3198, 0.2037` is the 20% darker color. If you saturate the color by 10%, you get `39.3529, 0.3208, 0.2048`, and if you desaturate by 10%, it is `54.2051, 0.3177, 0.2489`.

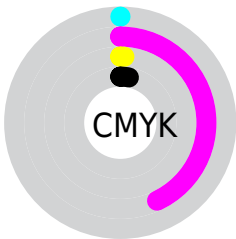
Distribution



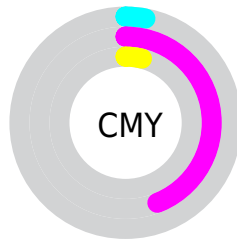
- Red (97%)
- Green (56%)
- Blue (96%)



- Red (97%)
- Yellow (56%)
- Blue (96%)



- Cyan (0%)
- Magenta (43%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (44%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9563, 0.3193, 0.2257 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 45.9563, 0.3193, 0.2257 by changing the saturation by 10% instead.


 45.9563, 0.3193,
0.2257

 45.9563, 0.3193,
0.2257

370.6329, 0.3178,
0.2724

 32.2113, 0.3192,
0.2154


 84.1536, 0.3191,
0.2416

 21.5230, 0.3189,
0.2029


 109.3747, 0.3189,
0.2479

 13.5068, 0.3182,
0.1875


139.1900, 0.3188,
0.2534

 7.7785, 0.3167,
0.1681

173.9839, 0.3186,
0.2581

 3.9535, 0.3136,
0.1431

214.1407, 0.3184,
0.2623

 1.6476, 0.3072,
0.1105

260.0449, 0.3182,

 0.3894, 0.2965,

0.2661

0.0567

312.0808, 0.3180,
0.2694

■ 0.0000, 0.2590,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9563, 0.3193,
0.2257

■ 45.9563, 0.3193,
0.2257

■ 39.3529, 0.3208,
0.2048

■ 54.2051, 0.3177,
0.2489

■ 34.2786, 0.3222,
0.1870


■ 64.1932, 0.3161,
0.2733


■ 30.6119, 0.3234,
0.1732

■ 76.0145, 0.3146,
0.2981

■ 28.2102, 0.3244,
0.1637

■ 89.7545, 0.3131,
0.3225


 26.9008, 0.3252,
0.1585


 98.2692, 0.3122,
0.3355

 26.4470, 0.3257,
0.1568

 98.2978, 0.3119,
0.3350

 98.3264, 0.3117,
0.3346

 98.3551, 0.3114,
0.3341

 98.3839, 0.3112,
0.3337

Harmonies

Analogous

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



45.9563, 0.2368, 0.1994



45.9563, 0.3193, 0.2257



45.9563, 0.4128, 0.2723

Triad

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



45.9563, 0.3193, 0.2257



45.9563, 0.4456, 0.4576



45.9563, 0.1701, 0.2913

Complementary

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



45.9563, 0.3193, 0.2257



74.8867, 0.3055, 0.4599

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.



45.9563, 0.2126, 0.3890



45.9563, 0.3193, 0.2257



45.9563, 0.3710, 0.4967

Square

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



45.9563, 0.3193, 0.2257



45.9563, 0.4885, 0.3956



45.9563, 0.2858, 0.4757



45.9563, 0.1615, 0.2263

Rectangle

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



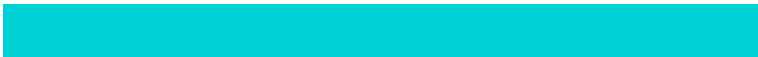
45.9563, 0.3193, 0.2257



45.9563, 0.4624, 0.3109



45.9563, 0.2858, 0.4757



45.9563, 0.1804, 0.3214

Sweetspot

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



45.9583, 0.3193, 0.2257



80.6034, 0.3146, 0.2974



32.0367, 0.2335, 0.1964



16.6223, 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.



45.9583, 0.3193, 0.2257



42.9805, 0.3206, 0.2080



43.1641, 0.3695, 0.2748



17.5187, 0.3141, 0.3061



14.2920, 0.3256, 0.1567



1.3254, 0.3250, 0.1564

Inverse Universe

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



45.9583, 0.3193, 0.2257



42.9805, 0.3206, 0.2080



76.8941, 0.2790, 0.3917



17.5187, 0.3141, 0.3061



14.2920, 0.3256, 0.1567



1.3254, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 45.9563, 0.3193, 0.2257 looks on a white background.

Color Contrast Check

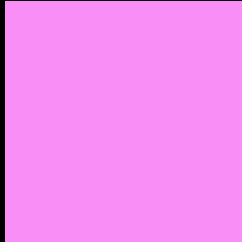
Large Text (above 18pt) WCAG AA × Fail

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 45.9563, 0.3193, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

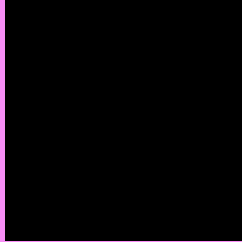
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9563, 0.3193, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 45.9563, 0.3193, 0.2257.



This preview shows how white text looks on a background with the Yxy color 45.9563, 0.3193, 0.2257.

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

45.9563, 0.3193, 0.2257

Protanopia

46.5281, 0.2449, 0.2380

Deuteranopia

46.1798, 0.2602, 0.2544



Tritanopia

45.9137, 0.3783, 0.3157

Trichromacy



Original Color

45.9563, 0.3193, 0.2257



Protanomaly

45.1195, 0.2672, 0.2309



Deuteranomaly

45.0568, 0.2790, 0.2406



Tritanomaly

45.7369, 0.3568, 0.2804

Monochromacy



Original Color

45.9563, 0.3193, 0.2257



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

46.8588, 0.3157, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9563, 0.3193, 0.2257 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(248, 142, 246)` looks like.

```
.text, #text, p{  
    color:rgb(248, 142, 246)  
}
```

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(248, 142, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 142, 246) }
```

Border

The CSS property to change the border of an element to Yxy 45.9563, 0.3193, 0.2257 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(248, 142, 246) }
```

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

```
.border{ border-color:rgb(248, 142, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 142, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 142, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 142, 246);  
box-shadow:4px 4px 4px 4px rgb(248, 142,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9563, 0.3193, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 142, 246) }
```

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

```
.background{ background-color: rgb(248,  
142, 246) }
```

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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