

Converting Colors

$Y_{xy}(46.5135, 0.3099, 0.2308)$

Have a look what the booklet for
Yxy(46.5135, 0.3099, 0.2308)
contains.

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Color

Yxy(46.4710, 0.3095, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	ED96F6
RGB	237, 150, 246
RGB Percent	93%, 59%, 96%
CMY	0.0708, 0.4116, 0.0353
CMYK	0.04, 0.39, 0.00, 0.04
HSL	294°, 84%, 78%
HSV	294°, 39%, 96%
XYZ	62.4523, 46.4710, 92.8613
YIQ	186.9570, 21.0360, 48.3000

Conversions

Conversions Part 2

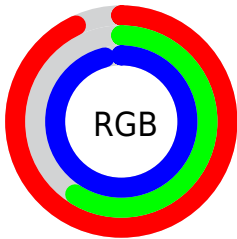
Format	Color
R _{YB}	237, 150, 246
Decimal	15570678
CIE _{Lab}	73.85, 47.40, -34.75
CIE _{LCh}	74, 58.773, 323.752
Yxy	46.4710, 0.3095, 0.2303
Android (android.graphics.Color)	4293760758 (0xFFED96F6)
YUV	186.9570, 29.1082, 43.8877
Hunter-Lab	68.1696, 44.2326, -33.0466

Details

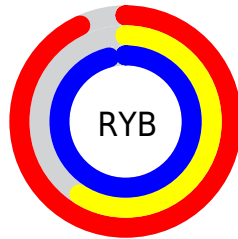
The Yxy color **46.4710, 0.3095, 0.2303** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **75.4897, 0.3124, 0.4469**, and the grayscale version is **49.4945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **21.9268, 0.3078, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **39.0306, 0.3080, 0.2067**, and if you desaturate by 10%, it is **55.5684, 0.3107, 0.2555**.

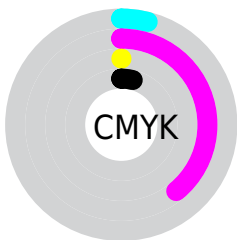
Distribution



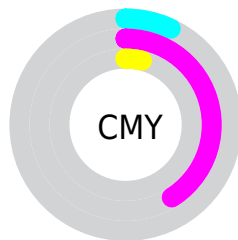
- Red (93%)
- Green (59%)
- Blue (96%)



- Red (93%)
- Yellow (59%)
- Blue (96%)



- Cyan (4%)
- Magenta (39%)
- Yellow (0%)
- Black (4%)





- Cyan (7%)
- Magenta (41%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4710, 0.3095, 0.2303 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 46.4710, 0.3095, 0.2303 by changing the saturation by 10% instead.


 46.4710, 0.3095,
0.2303

 46.4710, 0.3095,
0.2303


372.6990, 0.3126,
0.2752

 32.6177, 0.3084,
0.2203


 84.9235, 0.3109,
0.2457

 21.8337, 0.3068,
0.2082


 110.2914, 0.3113,
0.2517

 13.7348, 0.3045,
0.1931


140.2662, 0.3117,
0.2570

 7.9364, 0.3009,
0.1741

175.2325, 0.3120,
0.2615

 4.0543, 0.2950,
0.1494

215.5745, 0.3122,
0.2656

 1.7040, 0.2847,
0.1169

261.6766, 0.3123,

 0.4262, 0.2676,

0.2692

0.0638

313.9233, 0.3125,
0.2724

0.0000, 0.2130,
0.0000

0.0000, 0.0000,
0.0000

46.4710, 0.3095,
0.2303

46.4710, 0.3095,
0.2303

39.0306, 0.3080,
0.2067

55.5684, 0.3107,
0.2555

33.1372, 0.3062,
0.1857

66.4118, 0.3116,
0.2813

28.6772, 0.3041,
0.1682

79.0908, 0.3123,
0.3068

25.5184, 0.3019,
0.1549

93.6873, 0.3127,
0.3314

■ 23.5043, 0.2995,
0.1461

■ 98.2291, 0.3139,
0.3377

■ 22.4008, 0.2971,
0.1413

■ 98.6567, 0.3153,
0.3377

■ 22.3114, 0.2969,
0.1409

■ 99.0896, 0.3168,
0.3377

■ 99.4334, 0.3179,
0.3376

Harmonies

Analogous

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



46.4710, 0.2367, 0.2084



46.4710, 0.3095, 0.2303



46.4710, 0.3939, 0.2719

Triad

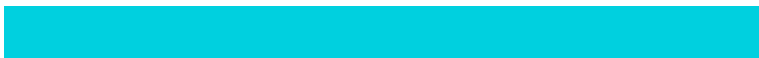
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.4710, 0.3095, 0.2303



46.4710, 0.4415, 0.4422



46.4710, 0.1853, 0.3053

Complementary

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



46.4710, 0.3095, 0.2303



75.4897, 0.3124, 0.4469

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.



46.4710, 0.2290, 0.3935



46.4710, 0.3095, 0.2303



46.4710, 0.3765, 0.4786

Square

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



46.4710, 0.3095, 0.2303



46.4710, 0.4742, 0.3855



46.4710, 0.2987, 0.4650



46.4710, 0.1731, 0.2414

Rectangle

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



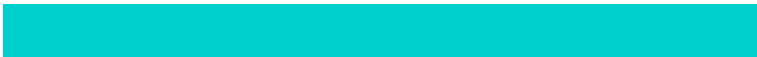
46.4710, 0.3095, 0.2303



46.4710, 0.4410, 0.3071



46.4710, 0.2987, 0.4650



46.4710, 0.1964, 0.3333

Sweetspot

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



46.4730, 0.3095, 0.2303



81.4637, 0.3121, 0.2992



38.1543, 0.2423, 0.2215



17.0436, 0.3121, 0.2958



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.



46.4730, 0.3095, 0.2303



43.7702, 0.3083, 0.2110



45.9502, 0.3517, 0.2682



16.6843, 0.3123, 0.3056



11.9432, 0.2973, 0.1411



1.0724, 0.3004, 0.1429

Inverse Universe

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



43.9212, 0.4013, 0.3194



40.7190, 0.4302, 0.3176



76.0439, 0.2872, 0.3996



16.5079, 0.3279, 0.3268



10.5001, 0.6294, 0.3241



0.9313, 0.6070, 0.3117

Previews

White Background



This preview shows how the Yxy color 46.4710, 0.3095, 0.2303 looks on a white background.

Color Contrast Check

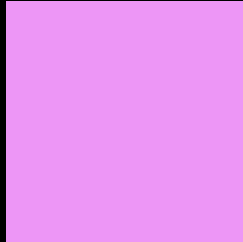
Large Text (above 18pt) WCAG AA × Fail

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 46.4710, 0.3095, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

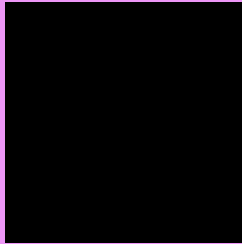
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4710, 0.3095, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 46.4710, 0.3095, 0.2303.

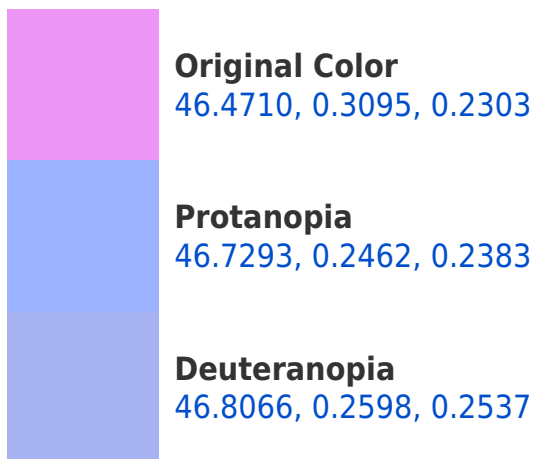


This preview shows how white text looks on a background with the Yxy color 46.4710, 0.3095, 0.2303.

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





Tritanopia

46.5786, 0.3614, 0.3153

Trichromacy



Original Color

46.4710, 0.3095, 0.2303



Protanomaly

45.5983, 0.2659, 0.2329



Deuteranomaly

45.6828, 0.2755, 0.2424



Tritanomaly

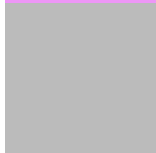
46.3948, 0.3417, 0.2821

Monochromacy



Original Color

46.4710, 0.3095, 0.2303



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.8053, 0.3120, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4710, 0.3095, 0.2303 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(237, 150, 246)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 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(237, 150, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 246) }
```

Border

The CSS property to change the border of an element to Yxy 46.4710, 0.3095, 0.2303 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(237, 150, 246) }
```

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

```
.border{ border-color:rgb(237, 150, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 150, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4710, 0.3095, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 246) }
```

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

```
.background{ background-color: rgb(237,  
150, 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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