

Converting Colors

$Y_{xy}(46.1005, 0.2633, 0.2335)$

Have a look what the booklet for
Yxy(46.1005, 0.2633, 0.2335)
contains.

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Color

Yxy(46.0316, 0.2633, 0.2337)

Conversions

Conversions Part 1

Format	Color
Hex	B8AAFD
RGB	184, 170, 253
RGB Percent	72%, 67%, 99%
CMY	0.2786, 0.3333, 0.0079
CMYK	0.27, 0.33, 0.00, 0.01
HSL	250°, 95%, 83%
HSV	250°, 33%, 99%
XYZ	51.8619, 46.0316, 99.0753
YIQ	183.6480, -18.2990, 28.7810

Conversions

Conversions Part 2

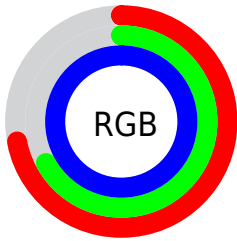
Format	Color
RYB	184, 170, 253
Decimal	12102397
CIELab	73.57, 22.52, -39.38
CIElCh	74, 45.363, 299.759
Yxy	46.0316, 0.2633, 0.2337
Android (android.graphics.Color)	4290292477 (0xFFB8AAFD)
YUV	183.6480, 34.1905, 0.3087
Hunter-Lab	67.8466, 17.7137, -39.0876

Details

The Yxy color **46.0316, 0.2633, 0.2337** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.5123, 0.3528, 0.4139**, and the grayscale version is **47.5424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7712, 0.3046, 0.2991**, and **21.6095, 0.2496, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **35.0335, 0.2446, 0.1998**, and if you desaturate by 10%, it is **59.2453, 0.2805, 0.2659**.

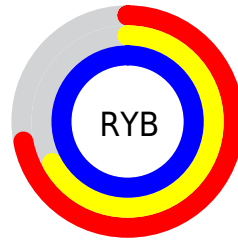
Distribution



Red (72%)

Green (67%)

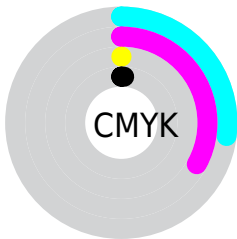
Blue (99%)



Red (72%)

Yellow (67%)

Blue (99%)

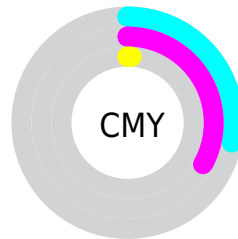


Cyan (27%)

Magenta (33%)

Yellow (0%)

Black (1%)



Cyan (28%)


Magenta (33%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0316, 0.2633, 0.2337 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 46.0316, 0.2633, 0.2337 by changing the saturation by 10% instead.


 46.0316, 0.2633,
0.2337


 46.0316, 0.2633,
0.2337


 370.9357, 0.2881,
0.2781

 32.2708, 0.2572,
0.2236


 84.2663, 0.2723,
0.2491


 21.5684, 0.2495,
0.2113

 109.5089, 0.2756,
0.2551

 13.5401, 0.2395,
0.1958


 139.3476, 0.2785,
0.2603

 7.8015, 0.2261,
0.1761

 174.1668, 0.2810,
0.2648

 3.9682, 0.2073,
0.1503

 214.3507, 0.2831,
0.2687

 1.6558, 0.1798,
0.1161

 260.2839, 0.2850,

 0.3948, 0.1397,

0.2722

0.0594

312.3508, 0.2866,
0.2753

0.0000, 0.0000,
0.0000

46.0316, 0.2633,
0.2337

46.0316, 0.2633,
0.2337

35.0335, 0.2446,
0.1998

59.2453, 0.2805,
0.2659

26.1234, 0.2251,
0.1656

74.7818, 0.2958,
0.2955

19.1692, 0.2058,
0.1333

92.7478, 0.3093,
0.3221

14.0210, 0.1880,
0.1051

99.8715, 0.3139,
0.3309

10.5069, 0.1729,
0.0833

■ 8.4204, 0.1618,
0.0692

■ 7.5940, 0.1563,
0.0634

Harmonies

Analogous

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



46.0316, 0.2204, 0.2322



46.0316, 0.2633, 0.2337



46.0316, 0.3243, 0.2553

Triad

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



46.0316, 0.2633, 0.2337



46.0316, 0.4374, 0.3873



46.0316, 0.2386, 0.3652

Complementary

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



46.0316, 0.2633, 0.2337



91.5123, 0.3528, 0.4139

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.



46.0316, 0.2918, 0.4232



46.0316, 0.2633, 0.2337



46.0316, 0.4076, 0.4282

Square

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



46.0316, 0.2633, 0.2337



46.0316, 0.4311, 0.3389



46.0316, 0.3537, 0.4457



46.0316, 0.2069, 0.3006

Rectangle

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



46.0316, 0.2633, 0.2337



46.0316, 0.3678, 0.2787



46.0316, 0.3537, 0.4457



46.0316, 0.2544, 0.3869

Sweetspot

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



46.0334, 0.2633, 0.2337



80.9912, 0.2998, 0.3032



77.4703, 0.2639, 0.3135



16.8071, 0.2978, 0.2994



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.



46.0334, 0.2633, 0.2337



39.6450, 0.2518, 0.2127



51.9106, 0.2945, 0.2417



17.5243, 0.3005, 0.3046



4.0815, 0.1572, 0.0640



0.4365, 0.1662, 0.0689

Inverse Universe

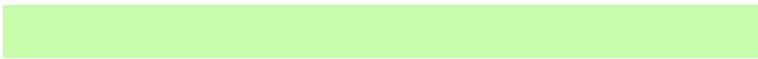
The Inverse Universe completely reimagines the original color for something new.



55.8747, 0.3276, 0.2597



51.0769, 0.3311, 0.2468



85.1128, 0.3251, 0.4220



18.2449, 0.3164, 0.3094



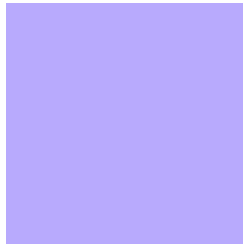
13.6168, 0.3687, 0.1804



1.3391, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 46.0316, 0.2633, 0.2337 looks on a white background.

Color Contrast Check

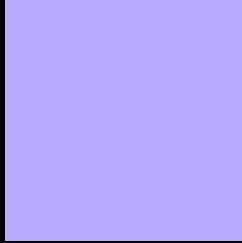
Large Text (above 18pt) WCAG AA × Fail

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 46.0316, 0.2633, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

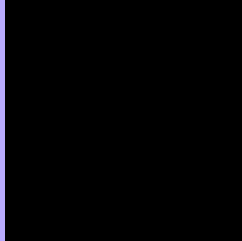
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0316, 0.2633, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 46.0316, 0.2633, 0.2337.

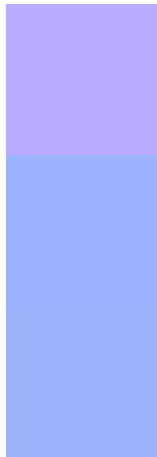


This preview shows how white text looks on a background with the Yxy color 46.0316, 0.2633, 0.2337.

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

46.0316, 0.2633, 0.2337

Protanopia

46.2289, 0.2454, 0.2369

Deuteranopia

46.3733, 0.2477, 0.2421



Tritanopia

45.9175, 0.2946, 0.3094

Trichromacy



Original Color

46.0316, 0.2633, 0.2337

Protanomaly

46.0312, 0.2518, 0.2358

Deuteranomaly

46.2944, 0.2530, 0.2389

Tritanomaly

45.8011, 0.2824, 0.2789

Monochromacy



Original Color

46.0316, 0.2633, 0.2337

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0340, 0.2938, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0316, 0.2633, 0.2337 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(184, 170, 253)` looks like.

```
.text, #text, p{  
    color:rgb(184, 170, 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(184, 170, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 170, 253) }
```

Border

The CSS property to change the border of an element to Yxy 46.0316, 0.2633, 0.2337 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(184, 170, 253) }
```

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

```
.border{ border-color:rgb(184, 170, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 170, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 170, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 170, 253);  
box-shadow:4px 4px 4px 4px rgb(184, 170,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0316, 0.2633, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 170, 253) }
```

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

```
.background{ background-color: rgb(184,  
170, 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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