

Converting Colors

$Y_{xy}(46.3067, 0.2606, 0.2501)$

Have a look what the booklet for
Yxy(46.3067, 0.2606, 0.2501)
contains.

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Color

Yxy(46.4011, 0.2610, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	AAB1F2
RGB	170, 177, 242
RGB Percent	67%, 69%, 95%
CMY	0.3334, 0.3059, 0.0509
CMYK	0.30, 0.27, 0.00, 0.05
HSL	234°, 74%, 81%
HSV	234°, 30%, 95%
XYZ	48.3268, 46.4011, 90.4322
YIQ	182.3170, -25.0370, 18.7310

Conversions

Conversions Part 2

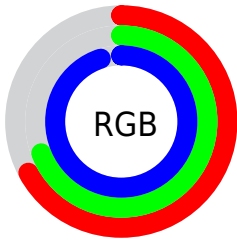
Format	Color
R _Y B	170, 176, 242
Decimal	11186674
CIE Lab	73.81, 11.98, -33.16
CIE LCh	74, 35.259, 289.868
Yxy	46.4011, 0.2610, 0.2506
Android (android.graphics.Color)	4289376754 (0xFFAAB1F2)
YUV	182.3170, 29.4237, -10.8020
Hunter-Lab	68.1184, 7.4302, -31.0290

Details

The Yxy color **46.4011, 0.2610, 0.2506** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81.2034, 0.3597, 0.3969**, and the grayscale version is **46.8078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8287, 0.2954, 0.3065**, and **21.9254, 0.2469, 0.2313** is the 20% darker color. If you saturate the color by 10%, you get **35.9995, 0.2407, 0.2189**, and if you desaturate by 10%, it is **58.6840, 0.2801, 0.2799**.

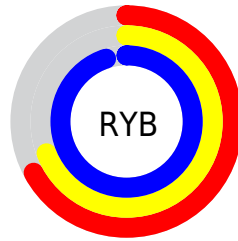
Distribution



Red (67%)

Green (69%)

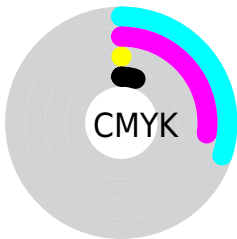
Blue (95%)



Red (67%)

Yellow (69%)

Blue (95%)

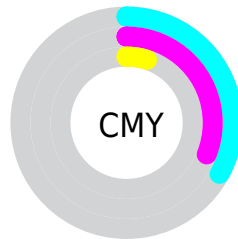


Cyan (30%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4011, 0.2610, 0.2506 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 46.4011, 0.2610, 0.2506 by changing the saturation by 10% instead.

■ 46.4011, 0.2610,
0.2506

■ 46.4011, 0.2610,
0.2506

372.4189, 0.2866,
0.2880

■ 32.5625, 0.2548,
0.2419

■ 84.8190, 0.2702,
0.2637

■ 21.7915, 0.2469,
0.2310

110.1670, 0.2737,
0.2688

■ 13.7038, 0.2367,
0.2173

140.1202, 0.2767,
0.2732

■ 7.9149, 0.2229,
0.1993

175.0631, 0.2792,
0.2769

■ 4.0405, 0.2036,
0.1749

215.3800, 0.2814,
0.2802

■ 1.6963, 0.1751,
0.1410

261.4553, 0.2834,

■ 0.4212, 0.1316,

0.2831

0.0800

313.6735, 0.2851,
0.2857

0.0000, 0.0000,
0.0000

46.4011, 0.2610,
0.2506

46.4011, 0.2610,
0.2506

35.9995, 0.2407,
0.2189

58.6840, 0.2801,
0.2799

27.3810, 0.2200,
0.1857

72.9293, 0.2975,
0.3063

20.4466, 0.1999,
0.1529

89.2197, 0.3131,
0.3295

15.0852, 0.1819,
0.1224

99.1923, 0.3203,
0.3415

11.1726, 0.1673,
0.0966

■ 8.5652, 0.1572,
0.0774

■ 7.0731, 0.1516,
0.0655

■ 7.0484, 0.1515,
0.0653

Harmonies

Analogous

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



46.4011, 0.2320, 0.2562



46.4011, 0.2610, 0.2506



46.4011, 0.3057, 0.2628

Triad

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



46.4011, 0.2610, 0.2506



46.4011, 0.4114, 0.3648



46.4011, 0.2675, 0.3731

Complementary

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



46.4011, 0.2610, 0.2506



81.2034, 0.3597, 0.3969

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.



46.4011, 0.3135, 0.4095



46.4011, 0.2610, 0.2506



46.4011, 0.3979, 0.3991

Square

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



46.4011, 0.2610, 0.2506



46.4011, 0.3960, 0.3256



46.4011, 0.3614, 0.4178



46.4011, 0.2353, 0.3238

Rectangle

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



46.4011, 0.2610, 0.2506



46.4011, 0.3395, 0.2792



46.4011, 0.3614, 0.4178



46.4011, 0.2818, 0.3877

Sweetspot

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



46.4029, 0.2610, 0.2506



83.3928, 0.2987, 0.3081



78.0512, 0.2734, 0.3371



17.3130, 0.2963, 0.3045



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.



46.4029, 0.2610, 0.2506



44.5875, 0.2483, 0.2307



47.2715, 0.2815, 0.2469



15.4764, 0.2980, 0.3070



3.8729, 0.1519, 0.0667



0.4052, 0.1560, 0.0815

Inverse Universe

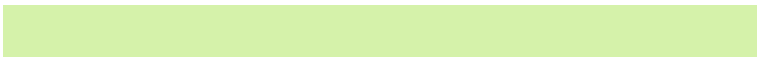
The Inverse Universe completely reimagines the original color for something new.



50.8003, 0.3729, 0.3215



50.5096, 0.3915, 0.3198



80.5981, 0.3373, 0.4087



15.7839, 0.3278, 0.3267



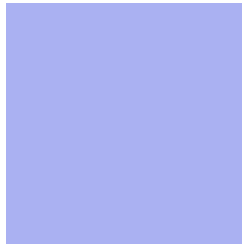
10.1843, 0.6288, 0.3238



0.8556, 0.6046, 0.3104

Previews

White Background



This preview shows how the Yxy color 46.4011, 0.2610, 0.2506 looks on a white background.

Color Contrast Check

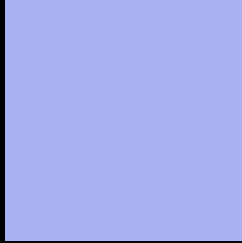
Large Text (above 18pt) WCAG AA × Fail

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 46.4011, 0.2610, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

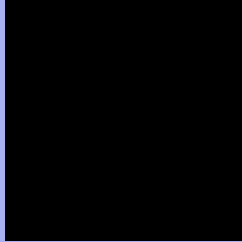
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4011, 0.2610, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 46.4011, 0.2610, 0.2506.



This preview shows how white text looks on a background with the Yxy color 46.4011, 0.2610, 0.2506.

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

46.4011, 0.2610, 0.2506

Protanopia

46.4978, 0.2560, 0.2511

Deuteranopia

46.2509, 0.2578, 0.2512



Tritanopia

46.4451, 0.2826, 0.3090

Trichromacy



Original Color

46.4011, 0.2610, 0.2506

Protanomaly

46.4188, 0.2578, 0.2503

Deuteranomaly

46.4671, 0.2591, 0.2514

Tritanomaly

46.2547, 0.2744, 0.2865

Monochromacy



Original Color

46.4011, 0.2610, 0.2506

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4671, 0.2927, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4011, 0.2610, 0.2506 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(170, 177, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 242)  
}
```

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(170, 177, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.4011, 0.2610, 0.2506 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(170, 177, 242) }
```

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

```
.border{ border-color:rgb(170, 177, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 177, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4011, 0.2610, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 242) }
```

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

```
.background{ background-color: rgb(170,  
177, 242) }
```

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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