

Converting Colors

$Y_{xy}(46.5833, 0.2524, 0.2360)$

Have a look what the booklet for
Yxy(46.5833, 0.2524, 0.2360)
contains.

Yxy(46.7057, 0.2527, 0.2363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7057, 0.2527, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	A9B0FF
RGB	169, 176, 255
RGB Percent	66%, 69%, 100%
CMY	0.3370, 0.3099, 0.0000
CMYK	0.34, 0.31, 0.00, 0.00
HSL	235°, 100%, 83%
HSV	235°, 34%, 100%
XYZ	49.9472, 46.7057, 101.0013
YIQ	182.9130, -29.5310, 23.0850

Conversions

Conversions Part 2

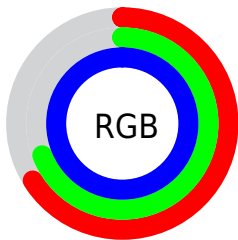
Format	Color
RYB	169, 175, 255
Decimal	11120895
CIELab	74.00, 15.55, -39.88
CIELCh	74, 42.803, 291.302
Yxy	46.7057, 0.2527, 0.2363
Android (android.graphics.Color)	4289310975 (0xFFA9B0FF)
YUV	182.9130, 35.5389, -12.2017
Hunter-Lab	68.3416, 10.8584, -39.7850

Details

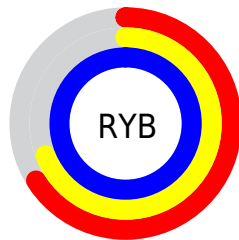
The Yxy color **46.7057, 0.2527, 0.2363** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.3027, 0.3658, 0.4073**, and the grayscale version is **47.1219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5406, 0.2948, 0.3044**, and **22.0699, 0.2367, 0.2147** is the 20% darker color. If you saturate the color by 10%, you get **35.7427, 0.2319, 0.2032**, and if you desaturate by 10%, it is **59.8078, 0.2725, 0.2673**.

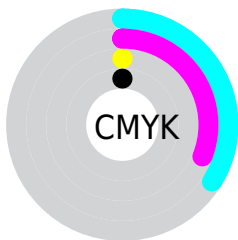
Distribution



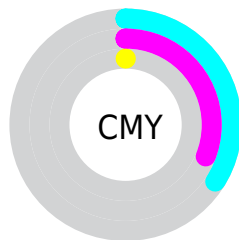
- Red (66%)
- Green (69%)
- Blue (100%)



- Red (66%)
- Yellow (69%)
- Blue (100%)



- Cyan (34%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7057, 0.2527, 0.2363 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 46.7057, 0.2527, 0.2363 by changing the saturation by 10% instead.

■ 46.7057, 0.2527,
0.2363

■ 46.7057, 0.2527,
0.2363

■ 373.6386, 0.2823,
0.2798

■ 32.8031, 0.2456,
0.2264

■ 85.2742, 0.2633,
0.2514

■ 21.9756, 0.2367,
0.2142

■ 110.7088, 0.2673,
0.2573

■ 13.8390, 0.2252,
0.1989

■ 140.7562, 0.2707,
0.2624

■ 8.0088, 0.2100,
0.1793

■ 175.8007, 0.2737,
0.2668

■ 4.1006, 0.1891,
0.1536

■ 216.2268, 0.2762,
0.2706

■ 1.7300, 0.1594,
0.1193

■ 262.4189, 0.2785,

■ 0.4429, 0.1170,

0.2741

0.0648

314.7614, 0.2805,
0.2771


 0.0000, 0.0000,
0.0000


 46.7057, 0.2527,
0.2363


 46.7057, 0.2527,
0.2363

 35.7427, 0.2319,
0.2032


 59.8078, 0.2725,
0.2673

 26.8025, 0.2111,
0.1694

 75.1517, 0.2907,
0.2955

 19.7616, 0.1914,
0.1369

 92.8363, 0.3071,
0.3205

 14.4822, 0.1746,
0.1080

100.0000, 0.3127,
0.3290

 10.8074, 0.1618,
0.0851

■ 8.5521, 0.1538,
0.0697

■ 7.7406, 0.1511,
0.0639

Harmonies

Analogous

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



46.7057, 0.2179, 0.2411



46.7057, 0.2527, 0.2363



46.7057, 0.3065, 0.2517

Triad

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



46.7057, 0.2527, 0.2363



46.7057, 0.4321, 0.3721



46.7057, 0.2555, 0.3802

Complementary

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



46.7057, 0.2527, 0.2363



91.3027, 0.3658, 0.4073

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.



46.7057, 0.3097, 0.4269



46.7057, 0.2527, 0.2363



46.7057, 0.4131, 0.4136

Square

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



46.7057, 0.2527, 0.2363



46.7057, 0.4155, 0.3259



46.7057, 0.3675, 0.4372



46.7057, 0.2189, 0.3188

Rectangle

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



46.7057, 0.2527, 0.2363



46.7057, 0.3476, 0.2714



46.7057, 0.3675, 0.4372



46.7057, 0.2722, 0.3988

Sweetspot

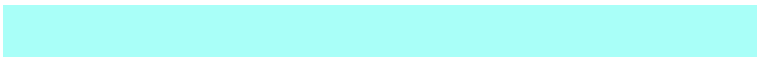
The Sweet Spot groups the original color and five complimentary colors.



46.7066, 0.2527, 0.2363



81.4245, 0.2970, 0.3052



86.7283, 0.2681, 0.3367



16.9106, 0.2947, 0.3016



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.



46.7066, 0.2527, 0.2363



39.5617, 0.2397, 0.2156



48.5760, 0.2773, 0.2348



17.6131, 0.2978, 0.3064



4.1264, 0.1514, 0.0650



0.4790, 0.1544, 0.0759

Inverse Universe

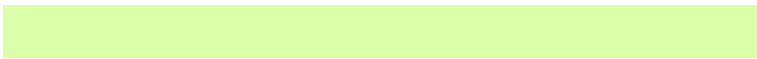
The Inverse Universe completely reimagines the original color for something new.



52.7902, 0.3858, 0.3219



46.6237, 0.4063, 0.3206



89.4760, 0.3394, 0.4207



18.0108, 0.3282, 0.3271



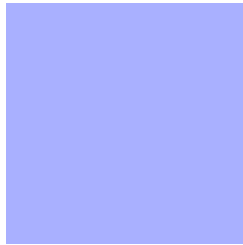
11.1445, 0.6316, 0.3253



1.0929, 0.6135, 0.3153

Previews

White Background



This preview shows how the Yxy color 46.7057, 0.2527, 0.2363 looks on a white background.

Color Contrast Check

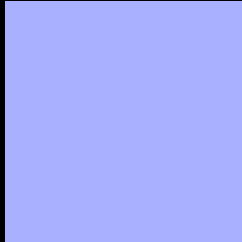
Large Text (above 18pt) WCAG AA × Fail

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 46.7057, 0.2527, 0.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

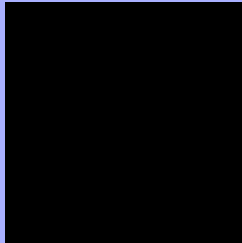
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7057, 0.2527, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 46.7057, 0.2527, 0.2363.



This preview shows how white text looks on a background with the Yxy color 46.7057, 0.2527, 0.2363.

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

46.7057, 0.2527, 0.2363

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.9664, 0.2463, 0.2404



Tritanopia

46.5030, 0.2791, 0.3089

Trichromacy



Original Color

46.7057, 0.2527, 0.2363

Protanomaly

46.7422, 0.2485, 0.2377

Deuteranomaly

46.9730, 0.2486, 0.2397

Tritanomaly

46.2534, 0.2684, 0.2791

Monochromacy



Original Color

46.7057, 0.2527, 0.2363

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7109, 0.2890, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7057, 0.2527, 0.2363 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(169, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 176, 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(169, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.7057, 0.2527, 0.2363 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(169, 176, 255) }
```

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

```
.border{ border-color:rgb(169, 176, 255) }
```

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

Here you see how a box with a 4 pixel rgb(169, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7057, 0.2527, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 176, 255) }
```

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

```
.background{ background-color: rgb(169,  
176, 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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