

Converting Colors

$Y_{xy}(46.2766, 0.2538, 0.2355)$

Have a look what the booklet for
Yxy(46.2766, 0.2538, 0.2355)
contains.

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Color

Yxy(46.3617, 0.2537, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	AAAFFE
RGB	170, 175, 254
RGB Percent	67%, 69%, 100%
CMY	0.3334, 0.3137, 0.0038
CMYK	0.33, 0.31, 0.00, 0.00
HSL	236°, 98%, 83%
HSV	236°, 33%, 100%
XYZ	49.7966, 46.3617, 100.1232
YIQ	182.5110, -28.3390, 23.5090

Conversions

Conversions Part 2

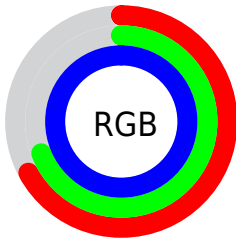
Format	Color
RYB	170, 175, 254
Decimal	11186174
CIELab	73.78, 16.10, -39.69
CIELCh	74, 42.834, 292.076
Yxy	46.3617, 0.2537, 0.2362
Android (android.graphics.Color)	4289376254 (0xFFAAAF FE)
YUV	182.5110, 35.2441, -10.9721
Hunter-Lab	68.0894, 11.3880, -39.5214

Details

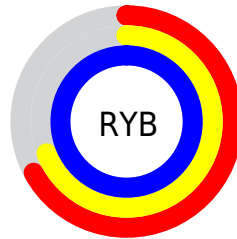
The Yxy color **46.3617, 0.2537, 0.2362** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.7339, 0.3643, 0.4074**, and the grayscale version is **46.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1445, 0.2954, 0.3034**, and **21.8420, 0.2379, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **35.3119, 0.2327, 0.2025**, and if you desaturate by 10%, it is **59.6060, 0.2736, 0.2678**.

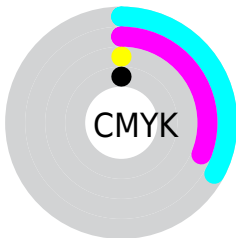
Distribution



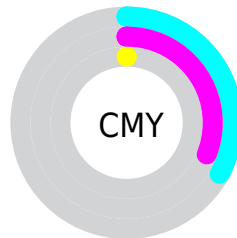
- Red (67%)
- Green (69%)
- Blue (100%)



- Red (67%)
- Yellow (69%)
- Blue (100%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3617, 0.2537, 0.2362 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 46.3617, 0.2537, 0.2362 by changing the saturation by 10% instead.

■ 46.3617, 0.2537,
0.2362

■ 46.3617, 0.2537,
0.2362

372.2609, 0.2829,
0.2798

■ 32.5313, 0.2467,
0.2262

■ 84.7601, 0.2641,
0.2514

■ 21.7677, 0.2379,
0.2140

110.0968, 0.2681,
0.2573

■ 13.6863, 0.2265,
0.1987

140.0379, 0.2715,
0.2623

■ 7.9028, 0.2114,
0.1790

174.9676, 0.2744,
0.2667

■ 4.0328, 0.1906,
0.1532

215.2704, 0.2769,
0.2706

■ 1.6919, 0.1608,
0.1187

261.3306, 0.2792,

■ 0.4184, 0.1184,

0.2740

0.0626

313.5326, 0.2811,
0.2771

0.0000, 0.0000,
0.0000

46.3617, 0.2537,
0.2362

46.3617, 0.2537,
0.2362

35.3119, 0.2327,
0.2025

59.6060, 0.2736,
0.2678

26.3330, 0.2116,
0.1681

75.1488, 0.2918,
0.2964

19.2974, 0.1918,
0.1352

93.0939, 0.3081,
0.3218

14.0611, 0.1746,
0.1061

99.9384, 0.3133,
0.3299

10.4601, 0.1616,
0.0834

■ 8.3002, 0.1536,
0.0684

■ 7.5062, 0.1507,
0.0626

Harmonies

Analogous

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



46.3617, 0.2182, 0.2404



46.3617, 0.2537, 0.2362



46.3617, 0.3081, 0.2521

Triad

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



46.3617, 0.2537, 0.2362



46.3617, 0.4324, 0.3734



46.3617, 0.2541, 0.3788

Complementary

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



46.3617, 0.2537, 0.2362



91.7339, 0.3643, 0.4074

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.



46.3617, 0.3081, 0.4264



46.3617, 0.2537, 0.2362



46.3617, 0.4125, 0.4147

Square

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



46.3617, 0.2537, 0.2362



46.3617, 0.4167, 0.3271



46.3617, 0.3663, 0.4378



46.3617, 0.2179, 0.3173

Rectangle

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



46.3617, 0.2537, 0.2362



46.3617, 0.3493, 0.2721



46.3617, 0.3663, 0.4378



46.3617, 0.2707, 0.3977

Sweetspot

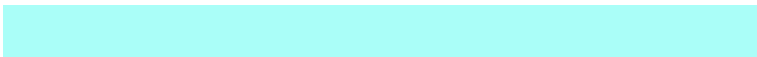
The Sweet Spot groups the original color and five complimentary colors.



46.3635, 0.2537, 0.2362



81.1276, 0.2970, 0.3046



86.2565, 0.2681, 0.3350



16.8395, 0.2947, 0.3009



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.



46.3635, 0.2537, 0.2362



38.8263, 0.2393, 0.2131



49.0760, 0.2792, 0.2369



17.5522, 0.2978, 0.3059



4.0225, 0.1510, 0.0636



0.4502, 0.1533, 0.0719

Inverse Universe

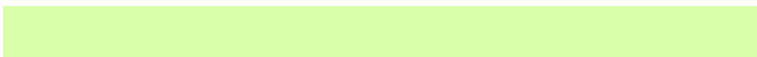
The Inverse Universe completely reimagines the original color for something new.



52.9122, 0.3856, 0.3239



46.5495, 0.4085, 0.3229



88.6559, 0.3381, 0.4191



18.0047, 0.3285, 0.3276



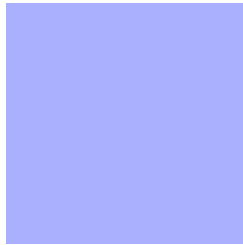
11.1340, 0.6340, 0.3266



1.0900, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 46.3617, 0.2537, 0.2362 looks on a white background.

Color Contrast Check

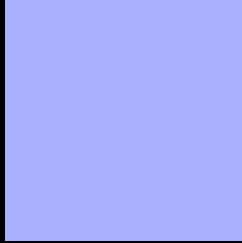
Large Text (above 18pt) WCAG AA × Fail

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 46.3617, 0.2537, 0.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

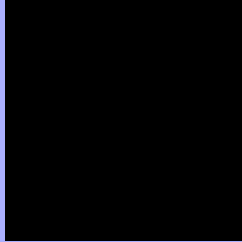
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3617, 0.2537, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 46.3617, 0.2537, 0.2362.



This preview shows how white text looks on a background with the Yxy color 46.3617, 0.2537, 0.2362.

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

46.3617, 0.2537, 0.2362

Protanopia

46.2289, 0.2454, 0.2369

Deuteranopia

46.4000, 0.2460, 0.2400



Tritanopia

46.1372, 0.2804, 0.3089

Trichromacy



Original Color

46.3617, 0.2537, 0.2362

Protanomaly

46.3457, 0.2483, 0.2365

Deuteranomaly

46.5097, 0.2489, 0.2395

Tritanomaly

45.8964, 0.2696, 0.2791

Monochromacy



Original Color

46.3617, 0.2537, 0.2362

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 46.3617, 0.2537, 0.2362 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, 175, 254)` looks like.

```
.text, #text, p{  
    color:rgb(170, 175, 254)  
}
```

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, 175, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 175, 254) }
```

Border

The CSS property to change the border of an element to Yxy 46.3617, 0.2537, 0.2362 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, 175, 254) }
```

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

```
.border{ border-color:rgb(170, 175, 254) }
```

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

Here you see how a box with a 4 pixel rgb(170, 175, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 175, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 175, 254);  
box-shadow:4px 4px 4px 4px rgb(170, 175,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3617, 0.2537, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 175, 254) }
```

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

```
.background{ background-color: rgb(170,  
175, 254) }
```

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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