

Converting Colors

$Y_{xy}(42.8213, 0.2555, 0.2409)$

Have a look what the booklet for
Yxy(42.8213, 0.2555, 0.2409)
contains.

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Color

Yxy(42.9468, 0.2552, 0.2408)

Conversions

Conversions Part 1

Format	Color
Hex	A3AAF2
RGB	163, 170, 242
RGB Percent	64%, 67%, 95%
CMY	0.3605, 0.3334, 0.0510
CMYK	0.33, 0.30, 0.00, 0.05
HSL	235°, 75%, 79%
HSV	235°, 33%, 95%
XYZ	45.5150, 42.9468, 89.8887
YIQ	176.1150, -27.2840, 20.9080

Conversions

Conversions Part 2

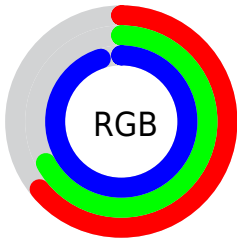
Format	Color
R _Y B	163, 169, 242
Decimal	10726130
CIE Lab	71.52, 13.94, -36.73
CIE LCh	72, 39.283, 290.789
Yxy	42.9468, 0.2552, 0.2408
Android (android.graphics.Color)	4288916210 (0xFFA3AAF2)
YUV	176.1150, 32.4813, -11.5019
Hunter-Lab	65.5338, 9.2890, -35.4507

Details

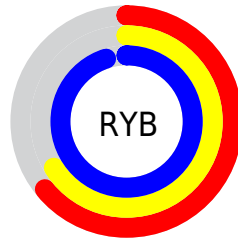
The Yxy color **42.9468, 0.2552, 0.2408** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **80.9832, 0.3641, 0.4041**, and the grayscale version is **43.3232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2861, 0.2908, 0.2978**, and **19.7532, 0.2391, 0.2182** is the 20% darker color. If you saturate the color by 10%, you get **33.0390, 0.2346, 0.2082**, and if you desaturate by 10%, it is **54.7367, 0.2747, 0.2712**.

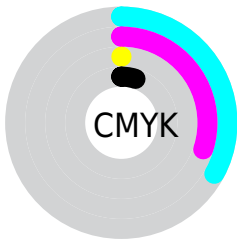
Distribution



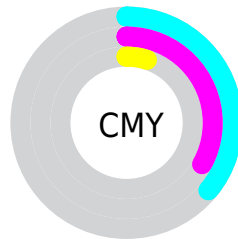
- Red (64%)
- Green (67%)
- Blue (95%)



- Red (64%)
- Yellow (66%)
- Blue (95%)



- Cyan (33%)
- Magenta (30%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9468, 0.2552, 0.2408 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 42.9468, 0.2552, 0.2408 by changing the saturation by 10% instead.

■ 42.9468, 0.2552,
0.2408

■ 42.9468, 0.2552,
0.2408

■ 358.3929, 0.2840,
0.2830

■ 29.8434, 0.2481,
0.2309

■ 79.6306, 0.2656,
0.2557

■ 19.7197, 0.2392,
0.2187

■ 103.9797, 0.2695,
0.2614

■ 12.1915, 0.2276,
0.2032

■ 132.8462, 0.2729,
0.2663

■ 6.8742, 0.2119,
0.1830

■ 166.6145, 0.2757,
0.2705

■ 3.3836, 0.1899,
0.1559

■ 205.6689, 0.2782,
0.2743

■ 1.3351, 0.1578,
0.1190

■ 250.3938, 0.2804,

■ 0.1681, 0.1053,

0.2775

0.0354

301.1737, 0.2823,
0.2804

0.0000, 0.0000,
0.0000

42.9468, 0.2552,
0.2408

42.9468, 0.2552,
0.2408

33.0390, 0.2346,
0.2082

54.7367, 0.2747,
0.2712

24.9109, 0.2138,
0.1747

68.4941, 0.2927,
0.2987

18.4582, 0.1941,
0.1421

84.3050, 0.3088,
0.3231

13.5633, 0.1769,
0.1127

99.1904, 0.3203,
0.3415

10.0934, 0.1635,
0.0888

■ 7.8932, 0.1548,
0.0721

■ 6.9544, 0.1513,
0.0646

Harmonies

Analogous

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



42.9468, 0.2223, 0.2459



42.9468, 0.2552, 0.2408



42.9468, 0.3061, 0.2551

Triad

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



42.9468, 0.2552, 0.2408



42.9468, 0.4255, 0.3697



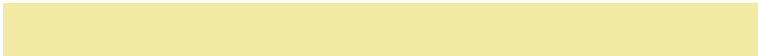
42.9468, 0.2596, 0.3781

Complementary

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



42.9468, 0.2552, 0.2408



80.9832, 0.3641, 0.4041

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.



42.9468, 0.3112, 0.4213



42.9468, 0.2552, 0.2408



42.9468, 0.4084, 0.4089

Square

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



42.9468, 0.2552, 0.2408



42.9468, 0.4091, 0.3257



42.9468, 0.3658, 0.4309



42.9468, 0.2242, 0.3207

Rectangle

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



42.9468, 0.2552, 0.2408



42.9468, 0.3448, 0.2738



42.9468, 0.3658, 0.4309



42.9468, 0.2755, 0.3954

Sweetspot

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



42.9485, 0.2552, 0.2408



81.5244, 0.2970, 0.3053



77.2402, 0.2701, 0.3380



16.9346, 0.2947, 0.3018



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.



42.9485, 0.2552, 0.2408



40.8891, 0.2419, 0.2198



44.1835, 0.2778, 0.2381



15.4513, 0.2979, 0.3067



3.8172, 0.1516, 0.0658



0.3932, 0.1554, 0.0794

Inverse Universe

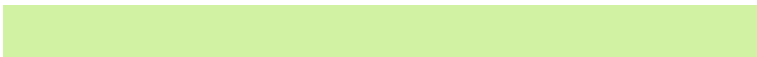
The Inverse Universe completely reimagines the original color for something new.



47.9968, 0.3817, 0.3216



47.5761, 0.4022, 0.3201



79.9107, 0.3395, 0.4170



15.7813, 0.3280, 0.3270



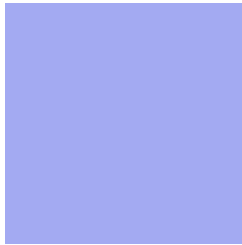
10.1787, 0.6303, 0.3246



0.8544, 0.6079, 0.3123

Previews

White Background



This preview shows how the Yxy color 42.9468, 0.2552, 0.2408 looks on a white background.

Color Contrast Check

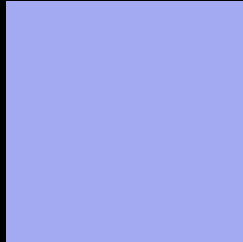
Large Text (above 18pt) WCAG AA × Fail

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 42.9468, 0.2552, 0.2408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

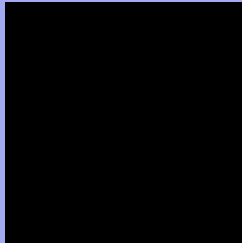
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9468, 0.2552, 0.2408

Background



This preview shows how black text looks on a background with the Yxy color 42.9468, 0.2552, 0.2408.



This preview shows how white text looks on a background with the Yxy color 42.9468, 0.2552, 0.2408.

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

42.9468, 0.2552, 0.2408

Protanopia

42.8090, 0.2477, 0.2398

Deuteranopia

43.1080, 0.2502, 0.2443



Tritanopia

42.8106, 0.2794, 0.3083

Trichromacy



Original Color

42.9468, 0.2552, 0.2408

Protanomaly

42.7650, 0.2507, 0.2401

Deuteranomaly

43.0240, 0.2520, 0.2434

Tritanomaly

42.8217, 0.2705, 0.2826

Monochromacy



Original Color

42.9468, 0.2552, 0.2408

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.1002, 0.2897, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9468, 0.2552, 0.2408 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(163, 170, 242)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 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(163, 170, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.9468, 0.2552, 0.2408 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(163, 170, 242) }
```

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

```
.border{ border-color:rgb(163, 170, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 242);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9468, 0.2552, 0.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 242) }
```

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

```
.background{ background-color: rgb(163,  
170, 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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