

Converting Colors

$Yxy(42.4686, 0.2504, 0.2536)$

Have a look what the booklet for
Yxy(42.4686, 0.2504, 0.2536)
contains.

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Color

Yxy(42.3583, 0.2503, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	93AEE9
RGB	147, 174, 233
RGB Percent	58%, 68%, 91%
CMY	0.4236, 0.3176, 0.0863
CMYK	0.37, 0.25, 0.00, 0.09
HSL	221°, 66%, 75%
HSV	221°, 37%, 91%
XYZ	41.8732, 42.3583, 83.0604
YIQ	172.6530, -35.0310, 12.6250

Conversions

Conversions Part 2

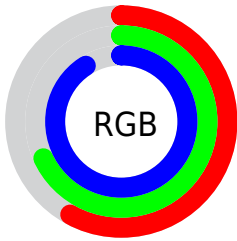
Format	Color
R_{YB}	147, 168, 233
Decimal	9678569
CIE _{Lab}	71.12, 4.95, -32.54
CIE _{LCh}	71, 32.915, 278.647
Yxy	42.3583, 0.2503, 0.2532
Android (android.graphics.Color)	4287868649 (0xFF93AEE9)
YUV	172.6530, 29.7511, -22.4977
Hunter-Lab	65.0833, 0.9473, -30.1087

Details

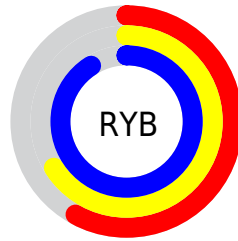
The Yxy color **42.3583, 0.2503, 0.2532** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.5577, 0.3781, 0.3944**, and the grayscale version is **41.4615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9551, 0.2803, 0.3012**, and **19.4205, 0.2334, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **34.6086, 0.2320, 0.2281**, and if you desaturate by 10%, it is **51.2818, 0.2684, 0.2766**.

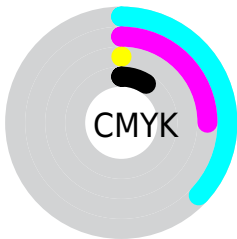
Distribution



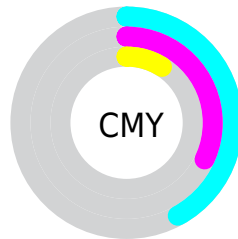
- Red (58%)
- Green (68%)
- Blue (91%)



- Red (58%)
- Yellow (66%)
- Blue (91%)



- Cyan (37%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (42%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3583, 0.2503, 0.2532 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 42.3583, 0.2503, 0.2532 by changing the saturation by 10% instead.

■ 42.3583, 0.2503,
0.2532

■ 42.3583, 0.2503,
0.2532

355.9661, 0.2813,
0.2903

■ 29.3820, 0.2427,
0.2443

■ 78.7416, 0.2615,
0.2664

■ 19.3700, 0.2331,
0.2331

■ 102.9174, 0.2657,
0.2715

■ 11.9379, 0.2206,
0.2187

131.5950, 0.2693,
0.2758

■ 6.7014, 0.2038,
0.1995

165.1590, 0.2724,
0.2795

■ 3.2761, 0.1802,
0.1730

203.9937, 0.2751,
0.2827

■ 1.2775, 0.1457,
0.1354

248.4836, 0.2774,

■ 0.1237, 0.0660,

0.2856

0.0342

299.0129, 0.2795,
0.2881

0.0000, 0.0000,
0.0000

42.3583, 0.2503,
0.2532

42.3583, 0.2503,
0.2532

34.6086, 0.2320,
0.2281

51.2818, 0.2684,
0.2766

27.9758, 0.2142,
0.2019

61.4230, 0.2857,
0.2979

22.4050, 0.1976,
0.1754

72.8293, 0.3021,
0.3170

17.8340, 0.1832,
0.1498

85.5438, 0.3173,
0.3340

14.1929, 0.1716,
0.1264

97.9642, 0.3257,
0.3492

■ 11.3982, 0.1634,
0.1062

■ 98.6633, 0.3256,
0.3503

■ 10.6771, 0.1613,
0.1007

Harmonies

Analogous

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



42.3583, 0.2292, 0.2657



42.3583, 0.2503, 0.2532



42.3583, 0.2886, 0.2588

Triad

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



42.3583, 0.2503, 0.2532



42.3583, 0.4054, 0.3497



42.3583, 0.2848, 0.3869

Complementary

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



42.3583, 0.2503, 0.2532



63.5577, 0.3781, 0.3944

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.



42.3583, 0.3313, 0.4128



42.3583, 0.2503, 0.2532



42.3583, 0.4027, 0.3856

Square

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



42.3583, 0.2503, 0.2532



42.3583, 0.3806, 0.3121



42.3583, 0.3748, 0.4104



42.3583, 0.2476, 0.3420

Rectangle

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



42.3583, 0.2503, 0.2532



42.3583, 0.3202, 0.2713



42.3583, 0.3748, 0.4104



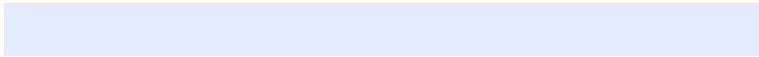
42.3583, 0.2999, 0.3984

Sweetspot

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



42.3599, 0.2503, 0.2532



83.3981, 0.2955, 0.3094



68.9244, 0.2752, 0.3628



17.4416, 0.2932, 0.3068



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.



42.3599, 0.2503, 0.2532



44.9055, 0.2370, 0.2350



34.5035, 0.2571, 0.2207



15.3213, 0.2980, 0.3124



6.2539, 0.1621, 0.1034



0.6577, 0.1697, 0.1308

Inverse Universe

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



41.2406, 0.3739, 0.2984



44.0616, 0.3921, 0.2924



75.1718, 0.3564, 0.4246



15.1320, 0.3244, 0.3216



10.1241, 0.5708, 0.2918



0.8118, 0.5315, 0.2702

Previews

White Background



This preview shows how the Yxy color 42.3583, 0.2503, 0.2532 looks on a white background.

Color Contrast Check

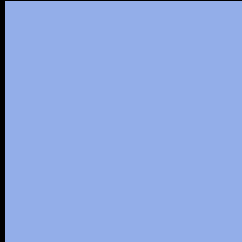
Large Text (above 18pt) WCAG AA × Fail

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 42.3583, 0.2503, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

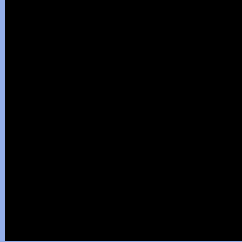
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

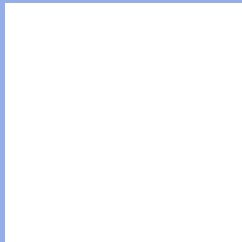
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3583, 0.2503, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 42.3583, 0.2503, 0.2532.



This preview shows how white text looks on a background with the Yxy color 42.3583, 0.2503, 0.2532.

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

42.3583, 0.2503, 0.2532

Protanopia

42.4427, 0.2579, 0.2541

Deuteranopia

42.2344, 0.2559, 0.2495



Tritanopia

42.3912, 0.2688, 0.3092

Trichromacy



Original Color

42.3583, 0.2503, 0.2532

Protanomaly

42.4856, 0.2547, 0.2538

Deuteranomaly

42.2179, 0.2534, 0.2503

Tritanomaly

42.1070, 0.2614, 0.2865

Monochromacy



Original Color

42.3583, 0.2503, 0.2532

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.7198, 0.2877, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3583, 0.2503, 0.2532 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(147, 174, 233)` looks like.

```
.text, #text, p{  
    color:rgb(147, 174, 233)  
}
```

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(147, 174, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 174, 233) }
```

Border

The CSS property to change the border of an element to Yxy 42.3583, 0.2503, 0.2532 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(147, 174, 233) }
```

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

```
.border{ border-color:rgb(147, 174, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 174, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 174, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 174, 233);  
box-shadow:4px 4px 4px 4px rgb(147, 174,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3583, 0.2503, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 174, 233) }
```

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

```
.background{ background-color: rgb(147,  
174, 233) }
```

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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