

Converting Colors

$Yxy(43.4042, 0.2560, 0.2548)$

Have a look what the booklet for
Yxy(43.4042, 0.2560, 0.2548)
contains.

Yxy(43.6111, 0.2565, 0.2557)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.6111, 0.2565, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	9CAFE9
RGB	156, 175, 233
RGB Percent	61%, 69%, 91%
CMY	0.3882, 0.3137, 0.0863
CMYK	0.33, 0.25, 0.00, 0.09
HSL	225°, 64%, 76%
HSV	225°, 33%, 91%
XYZ	43.7475, 43.6111, 83.1971
YIQ	175.9310, -29.9420, 14.0100

Conversions

Conversions Part 2

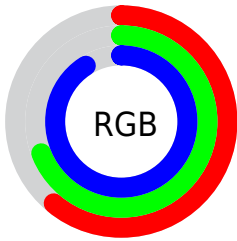
Format	Color
R _Y B	156, 171, 233
Decimal	10268649
CIE Lab	71.97, 6.88, -31.17
CIE LCh	72, 31.924, 282.440
Yxy	43.6111, 0.2565, 0.2557
Android (android.graphics.Color)	4288458729 (0xFF9CAFE9)
YUV	175.9310, 28.1350, -17.4795
Hunter-Lab	66.0387, 2.6802, -28.4678

Details

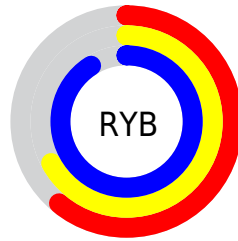
The Yxy color $43.6111, 0.2565, 0.2557$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $67.8128, 0.3687, 0.3928$, and the grayscale version is $43.2418, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.8107, 0.2859, 0.3027$, and $20.1650, 0.2410, 0.2370$ is the 20% darker color. If you saturate the color by 10%, you get $35.1136, 0.2375, 0.2287$, and if you desaturate by 10%, it is $53.4456, 0.2749, 0.2807$.

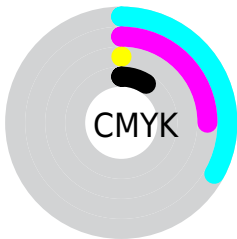
Distribution



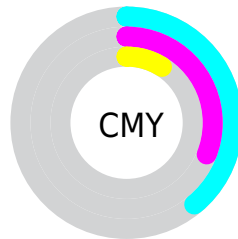
- Red (61%)
- Green (69%)
- Blue (91%)



- Red (61%)
- Yellow (67%)
- Blue (91%)



- Cyan (33%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (39%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6111, 0.2565, 0.2557 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 43.6111, 0.2565, 0.2557 by changing the saturation by 10% instead.

■ 43.6111, 0.2565,
0.2557

■ 43.6111, 0.2565,
0.2557

■ 361.1189, 0.2845,
0.2914

■ 30.3649, 0.2497,
0.2472

■ 80.6322, 0.2666,
0.2684

■ 20.1157, 0.2410,
0.2365

■ 105.1759, 0.2704,
0.2732

■ 12.4792, 0.2297,
0.2227

■ 134.2542, 0.2736,
0.2774

■ 7.0709, 0.2144,
0.2045

■ 168.2516, 0.2764,
0.2810

■ 3.5065, 0.1928,
0.1793

■ 207.5523, 0.2788,
0.2841

■ 1.4015, 0.1608,
0.1432

■ 252.5409, 0.2809,

■ 0.2178, 0.0971,

0.2868

0.0564

303.6016, 0.2828,
0.2892

■ 0.0000, 0.0000,
0.0000

■ 43.6111, 0.2565,
0.2557

■ 43.6111, 0.2565,
0.2557

■ 35.1136, 0.2375,
0.2287

■ 53.4456, 0.2749,
0.2807

■ 27.8884, 0.2186,
0.2004

■ 64.6677, 0.2921,
0.3032

■ 21.8730, 0.2006,
0.1717

■ 77.3315, 0.3081,
0.3234

■ 16.9971, 0.1846,
0.1441

■ 91.4866, 0.3227,
0.3411

■ 13.1823, 0.1714,
0.1190

■ 98.6628, 0.3256,
0.3503

■ 10.3387, 0.1619,
0.0979

■ 8.8587, 0.1572,
0.0860

Harmonies

Analogous

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



43.6111, 0.2337, 0.2656



43.6111, 0.2565, 0.2557



43.6111, 0.2951, 0.2631

Triad

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



43.6111, 0.2565, 0.2557



43.6111, 0.4029, 0.3538



43.6111, 0.2808, 0.3797

Complementary

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



43.6111, 0.2565, 0.2557



67.8128, 0.3687, 0.3928

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.



43.6111, 0.3250, 0.4076



43.6111, 0.2565, 0.2557



43.6111, 0.3971, 0.3875

Square

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



43.6111, 0.2565, 0.2557



43.6111, 0.3822, 0.3173



43.6111, 0.3679, 0.4089



43.6111, 0.2467, 0.3357

Rectangle

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



43.6111, 0.2565, 0.2557



43.6111, 0.3260, 0.2764



43.6111, 0.3679, 0.4089



43.6111, 0.2949, 0.3916

Sweetspot

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



43.6128, 0.2565, 0.2557



83.8322, 0.2971, 0.3095



70.1845, 0.2758, 0.3523



17.4885, 0.2948, 0.3066



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.



43.6128, 0.2565, 0.2557



45.9017, 0.2430, 0.2366



38.8044, 0.2681, 0.2346



15.1527, 0.2980, 0.3107



5.1907, 0.1579, 0.0884



0.5555, 0.1651, 0.1144

Inverse Universe

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



44.1963, 0.3704, 0.3075



47.2637, 0.3888, 0.3028



74.9325, 0.3482, 0.4155



15.1150, 0.3254, 0.3232



10.0168, 0.5937, 0.3044



0.8015, 0.5547, 0.2829

Previews

White Background



This preview shows how the Yxy color 43.6111, 0.2565, 0.2557 looks on a white background.

Color Contrast Check

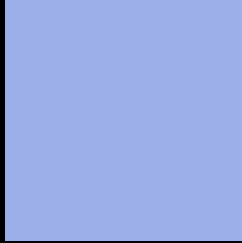
Large Text (above 18pt) WCAG AA × Fail

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 43.6111, 0.2565, 0.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

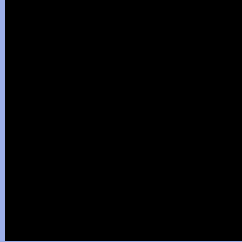
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

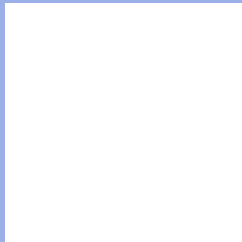
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6111, 0.2565, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 43.6111, 0.2565, 0.2557.



This preview shows how white text looks on a background with the Yxy color 43.6111, 0.2565, 0.2557.

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

43.6111, 0.2565, 0.2557

Protanopia

43.5719, 0.2597, 0.2560

Deuteranopia

43.4517, 0.2603, 0.2539



Tritanopia

43.7373, 0.2754, 0.3096

Trichromacy



Original Color

43.6111, 0.2565, 0.2557

Protanomaly

43.4692, 0.2590, 0.2559

Deuteranomaly

43.6289, 0.2591, 0.2549

Tritanomaly

43.4230, 0.2686, 0.2887

Monochromacy



Original Color

43.6111, 0.2565, 0.2557

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.5169, 0.2904, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6111, 0.2565, 0.2557 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(156, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 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(156, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 233) }
```

Border

The CSS property to change the border of an element to Yxy 43.6111, 0.2565, 0.2557 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(156, 175, 233) }
```

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

```
.border{ border-color:rgb(156, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(156, 175,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6111, 0.2565, 0.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 233) }
```

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

```
.background{ background-color: rgb(156,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor