

Converting Colors

Yxy(43.4214, 0.2368, 0.2301)

Have a look what the booklet for
Yxy(43.4214, 0.2368, 0.2301)
contains.

Yxy(43.4214, 0.2368, 0.2301)	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(43.4214, 0.2368, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	90AEFF
RGB	144, 174, 255
RGB Percent	56%, 68%, 100%
CMY	0.4352, 0.3176, 0.0002
CMYK	0.44, 0.32, 0.00, 0.00
HSL	224°, 100%, 78%
HSV	224°, 44%, 100%
XYZ	44.6857, 43.4214, 100.5995
YIQ	174.2640, -43.8810, 18.8310

Conversions

Conversions Part 2

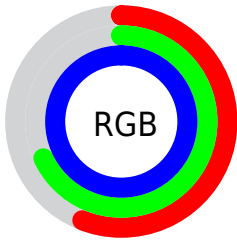
Format	Color
RYB	144, 168, 255
Decimal	9481983
CIELab	71.84, 10.17, -43.35
CIElCh	72, 44.522, 283.201
Yxy	43.4214, 0.2368, 0.2301
Android (android.graphics.Color)	4287672063 (0xFF90AEFF)
YUV	174.2640, 39.8028, -26.5415
Hunter-Lab	65.8949, 5.7312, -44.3896

Details

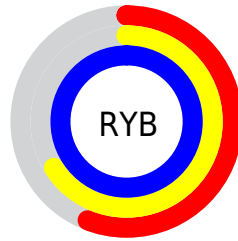
The Yxy color **43.4214, 0.2368, 0.2301** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **77.1105, 0.3899, 0.4108**, and the grayscale version is **42.2819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8152, 0.2797, 0.3011**, and **20.0225, 0.2167, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **34.6814, 0.2181, 0.2024**, and if you desaturate by 10%, it is **53.6788, 0.2556, 0.2565**.

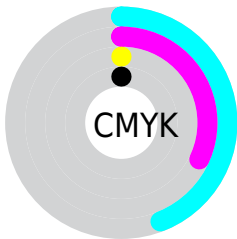
Distribution



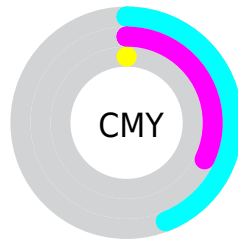
- Red (56%)
- Green (68%)
- Blue (100%)



- Red (56%)
- Yellow (66%)
- Blue (100%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4214, 0.2368, 0.2301 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 43.4214, 0.2368, 0.2301 by changing the saturation by 10% instead.

■ 43.4214, 0.2368,
0.2301

■ 43.4214, 0.2368,
0.2301

360.3419, 0.2741,
0.2772

■ 30.2159, 0.2279,
0.2193

■ 80.3464, 0.2501,
0.2466

■ 20.0025, 0.2168,
0.2059

■ 104.8346, 0.2551,
0.2529

■ 12.3969, 0.2027,
0.1892

133.8526, 0.2595,
0.2584

■ 7.0146, 0.1841,
0.1677

167.7847, 0.2632,
0.2632

■ 3.4712, 0.1592,
0.1397

207.0153, 0.2664,
0.2673

■ 1.3824, 0.1248,
0.1029

251.9287, 0.2693,

■ 0.2037, 0.0714,

0.2710

0.0329

302.9095, 0.2718,
0.2743

■ 0.0000, 0.0000,
0.0000

■ 43.4214, 0.2368,
0.2301

■ 43.4214, 0.2368,
0.2301

■ 34.6814, 0.2181,
0.2024

■ 53.6788, 0.2556,
0.2565

■ 27.3782, 0.2004,
0.1743

■ 65.5193, 0.2739,
0.2809

■ 21.4299, 0.1847,
0.1472

■ 79.0102, 0.2913,
0.3030

■ 16.7438, 0.1719,
0.1224

■ 94.2135, 0.3074,
0.3227

■ 13.2127, 0.1626,
0.1013

■ 99.9975, 0.3127,
0.3290

■ 11.4602, 0.1583,
0.0900

Harmonies

Analogous

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



43.4214, 0.2066, 0.2411



43.4214, 0.2368, 0.2301



43.4214, 0.2890, 0.2411

Triad

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



43.4214, 0.2368, 0.2301



43.4214, 0.4389, 0.3608



43.4214, 0.2659, 0.4002

Complementary

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



43.4214, 0.2368, 0.2301



77.1105, 0.3899, 0.4108

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.



43.4214, 0.3259, 0.4411



43.4214, 0.2368, 0.2301



43.4214, 0.4280, 0.4074

Square

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



43.4214, 0.2368, 0.2301



43.4214, 0.4112, 0.3125



43.4214, 0.3855, 0.4402



43.4214, 0.2212, 0.3352

Rectangle

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



43.4214, 0.2368, 0.2301



43.4214, 0.3319, 0.2588



43.4214, 0.3855, 0.4402



43.4214, 0.2849, 0.4180

Sweetspot

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



43.4230, 0.2368, 0.2301



79.7698, 0.2921, 0.3040



82.7832, 0.2679, 0.3657



16.4013, 0.2884, 0.2994



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.



43.4230, 0.2368, 0.2301



35.9186, 0.2209, 0.2066



35.5052, 0.2471, 0.1986



18.1761, 0.2979, 0.3111



6.1997, 0.1591, 0.0927



0.7752, 0.1650, 0.1140

Inverse Universe

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



44.2644, 0.3960, 0.2979



37.7540, 0.4218, 0.2925



90.4859, 0.3610, 0.4432



18.0677, 0.3252, 0.3226



11.3538, 0.5871, 0.3008



1.1228, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 43.4214, 0.2368, 0.2301 looks on a white background.

Color Contrast Check

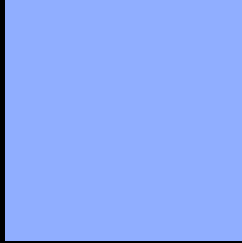
Large Text (above 18pt) WCAG AA × Fail

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 43.4214, 0.2368, 0.2301 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 43.4214, 0.2368, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 43.4214, 0.2368, 0.2301.



This preview shows how white text looks on a background with the Yxy color 43.4214, 0.2368, 0.2301.

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

43.4214, 0.2368, 0.2301

Protanopia

43.4325, 0.2400, 0.2305

Deuteranopia

43.3317, 0.2362, 0.2299



Tritanopia

43.5352, 0.2603, 0.3077

Trichromacy



Original Color

43.4214, 0.2368, 0.2301

Protanomaly

43.2459, 0.2388, 0.2302

Deuteranomaly

43.3317, 0.2362, 0.2299

Tritanomaly

43.2834, 0.2509, 0.2765

Monochromacy



Original Color

43.4214, 0.2368, 0.2301

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3704, 0.2811, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4214, 0.2368, 0.2301 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(144, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 174, 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(144, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.4214, 0.2368, 0.2301 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(144, 174, 255) }
```

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

```
.border{ border-color:rgb(144, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4214, 0.2368, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 174, 255) }
```

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

```
.background{ background-color: rgb(144,  
174, 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](#).

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