

Converting Colors

$Yxy(41.3947, 0.2789, 0.3015)$

Have a look what the booklet for
Yxy(41.3947, 0.2789, 0.3015)
contains.

Yxy(41.3724, 0.2791, 0.3014)	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(41.3724, 0.2791, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	99AFC3
RGB	153, 175, 195
RGB Percent	60%, 69%, 76%
CMY	0.4001, 0.3137, 0.2354
CMYK	0.22, 0.10, 0.00, 0.24
HSL	209°, 26%, 68%
HSV	209°, 22%, 76%
XYZ	38.3113, 41.3724, 57.5837
YIQ	170.7020, -19.5320, 1.5560

Conversions

Conversions Part 2

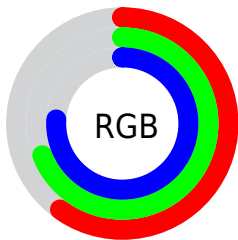
Format	Color
R_{YB}	153, 167, 195
Decimal	10072003
CIE _{Lab}	70.44, -3.22, -12.71
CIE _{LCh}	70, 13.112, 255.768
Yxy	41.3724, 0.2791, 0.3014
Android (android.graphics.Color)	4288262083 (0xFF99AFC3)
YUV	170.7020, 11.9789, -15.5247
Hunter-Lab	64.3214, -6.2436, -8.0544

Details

The Yxy color $41.3724, 0.2791, 0.3014$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $43.7630, 0.3504, 0.3551$, and the grayscale version is $40.5119, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.0318, 0.2851, 0.3056$, and $18.8557, 0.2695, 0.2944$ is the 20% darker color. If you saturate the color by 10%, you get $36.1445, 0.2630, 0.2865$, and if you desaturate by 10%, it is $47.1613, 0.2950, 0.3150$.

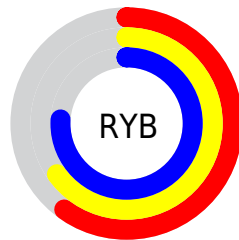
Distribution



Red (60%)

Green (69%)

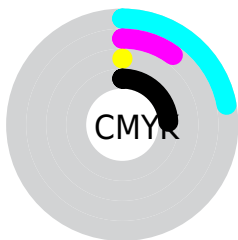
Blue (76%)



Red (60%)

Yellow (65%)

Blue (76%)

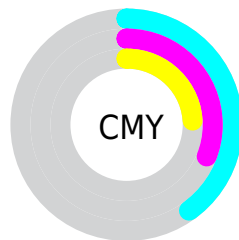


Cyan (22%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (40%)

Magenta (31%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3724, 0.2791, 0.3014 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 41.3724, 0.2791, 0.3014 by changing the saturation by 10% instead.

■ 41.3724, 0.2791,
0.3014

■ 41.3724, 0.2791,
0.3014

351.8747, 0.2961,
0.3155

■ 28.6102, 0.2748,
0.2978

■ 77.2489, 0.2853,
0.3066

■ 18.7861, 0.2693,
0.2931

■ 101.1320, 0.2876,
0.3085

■ 11.5158, 0.2619,
0.2868

129.4908, 0.2896,
0.3101

■ 6.4149, 0.2515,
0.2778

162.7097, 0.2913,
0.3115

■ 3.0990, 0.2359,
0.2642

201.1732, 0.2927,
0.3127

■ 1.1836, 0.2102,
0.2410

245.2655, 0.2940,

■ 0.0483, 0.0000,

0.3138

0.0488

295.3712, 0.2951,
0.3147

0.0000, 0.0000,
0.0000

41.3724, 0.2791,
0.3014

41.3724, 0.2791,
0.3014

36.1445, 0.2630,
0.2865

47.1613, 0.2950,
0.3150

31.4525, 0.2471,
0.2703

53.5251, 0.3104,
0.3272

27.2769, 0.2317,
0.2530

60.4830, 0.3251,
0.3381

23.5944, 0.2173,
0.2349

68.0522, 0.3391,
0.3478

20.3796, 0.2045,
0.2164

76.2489, 0.3523,
0.3563

■ 17.6042, 0.1936,
0.1980

■ 82.1395, 0.3536,
0.3651

■ 15.2351, 0.1851,
0.1800

■ 87.4545, 0.3516,
0.3740

■ 13.5009, 0.1793,
0.1655

■ 93.0482, 0.3496,
0.3827

■ 96.7192, 0.3484,
0.3880

Harmonies

Analogous

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



41.3724, 0.2765, 0.3135



41.3724, 0.2791, 0.3014



41.3724, 0.2904, 0.2970

Triad

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



41.3724, 0.2791, 0.3014



41.3724, 0.3429, 0.3265



41.3724, 0.3166, 0.3596

Complementary

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



41.3724, 0.2791, 0.3014



43.7630, 0.3504, 0.3551

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.



41.3724, 0.3348, 0.3625



41.3724, 0.2791, 0.3014



41.3724, 0.3503, 0.3427

Square

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



41.3724, 0.2791, 0.3014



41.3724, 0.3272, 0.3113



41.3724, 0.3473, 0.3560



41.3724, 0.2978, 0.3477

Rectangle

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



41.3724, 0.2791, 0.3014



41.3724, 0.3016, 0.2986



41.3724, 0.3473, 0.3560



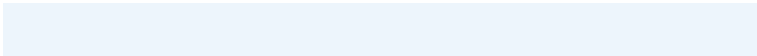
41.3724, 0.3230, 0.3617

Sweetspot

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



41.3741, 0.2791, 0.3014



90.5698, 0.3035, 0.3218



48.7918, 0.2961, 0.3599



19.6672, 0.3024, 0.3210



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.



41.3741, 0.2791, 0.3014



69.4433, 0.2713, 0.2943



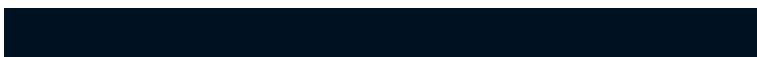
33.9440, 0.2770, 0.2718



10.6029, 0.2984, 0.3178



8.9462, 0.1800, 0.1678



0.5238, 0.1908, 0.2068

Inverse Universe

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



37.4691, 0.3338, 0.3005



61.4747, 0.3398, 0.2937



52.2953, 0.3452, 0.3804



10.1642, 0.3209, 0.3170



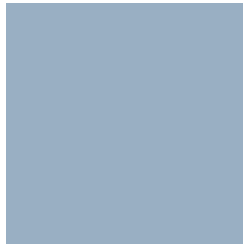
8.1854, 0.4834, 0.2436



0.3675, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 41.3724, 0.2791, 0.3014 looks on a white background.

Color Contrast Check

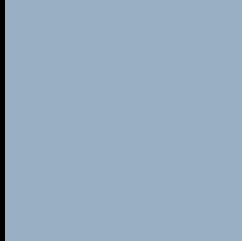
Large Text (above 18pt) WCAG AA × Fail

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 41.3724, 0.2791, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

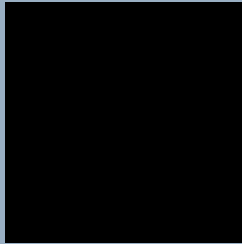
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

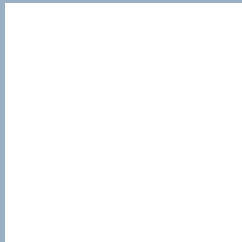
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3724, 0.2791, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 41.3724, 0.2791, 0.3014.



This preview shows how white text looks on a background with the Yxy color 41.3724, 0.2791, 0.3014.

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

41.3724, 0.2791, 0.3014

Protanopia

41.3666, 0.2940, 0.3008

Deuteranopia

41.3379, 0.2977, 0.2923



Tritanopia

41.4438, 0.2820, 0.3094

Trichromacy



Original Color

41.3724, 0.2791, 0.3014

Protanomaly

41.1418, 0.2883, 0.3004

Deuteranomaly

41.4362, 0.2901, 0.2956

Tritanomaly

41.5318, 0.2806, 0.3067

Monochromacy



Original Color

41.3724, 0.2791, 0.3014

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6928, 0.2992, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3724, 0.2791, 0.3014 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(153, 175, 195)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 195)  
}
```

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(153, 175, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 195) }
```

Border

The CSS property to change the border of an element to Yxy 41.3724, 0.2791, 0.3014 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(153, 175, 195) }
```

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

```
.border{ border-color:rgb(153, 175, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 195);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3724, 0.2791, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 195) }
```

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

```
.background{ background-color: rgb(153,  
175, 195) }
```

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