

Converting Colors

$Y_{xy}(30.4025, 0.3015, 0.3171)$

Have a look what the booklet for
Yxy(30.4025, 0.3015, 0.3171)
contains.

Yxy(30.3923, 0.3013, 0.3165)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3923, 0.3013, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	92969E
RGB	146, 150, 158
RGB Percent	57%, 59%, 62%
CMY	0.4275, 0.4118, 0.3803
CMYK	0.08, 0.05, 0.00, 0.38
HSL	220°, 6%, 60%
HSV	220°, 8%, 62%
XYZ	28.9327, 30.3923, 36.7012
YIQ	149.7160, -4.9520, 1.6400

Conversions

Conversions Part 2

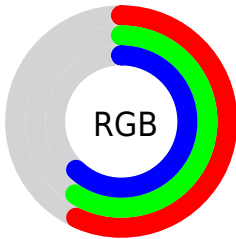
Format	Color
R_{YB}	146, 149, 158
Decimal	9606814
CIE _{Lab}	61.99, 0.18, -4.72
CIE _{LCh}	62, 4.724, 272.151
Yxy	30.3923, 0.3013, 0.3165
Android (android.graphics.Color)	4287796894 (0xFF92969E)
YUV	149.7160, 4.0840, -3.2589
Hunter-Lab	55.1292, -2.7964, -0.8807

Details

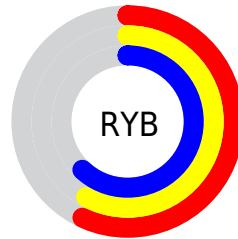
The Yxy color **30.3923, 0.3013, 0.3165** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4641, 0.3243, 0.3412**, and the grayscale version is **30.3573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2692, 0.3034, 0.3185**, and **12.4720, 0.2977, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **25.8309, 0.2854, 0.2983**, and if you desaturate by 10%, it is **35.4589, 0.3162, 0.3327**.

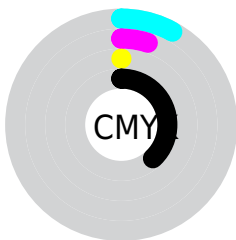
Distribution



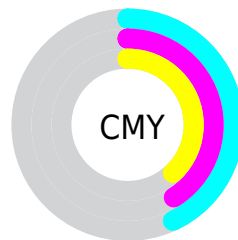
- Red (57%)
- Green (59%)
- Blue (62%)



- Red (57%)
- Yellow (58%)
- Blue (62%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (38%)



- Cyan (43%)
- Magenta (41%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3923, 0.3013, 0.3165 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 30.3923, 0.3013, 0.3165 by changing the saturation by 10% instead.

■ 30.3923, 0.3013,
0.3165

■ 30.3923, 0.3013,
0.3165

303.7288, 0.3074,
0.3232

■ 20.1365, 0.2996,
0.3147

■ 60.2820, 0.3036,
0.3190

■ 12.4943, 0.2974,
0.3122

■ 80.6848, 0.3045,
0.3200

■ 7.0813, 0.2942,
0.3087

105.2387, 0.3052,
0.3207

■ 3.5130, 0.2894,
0.3035

134.3281, 0.3058,
0.3214

■ 1.4051, 0.2812,
0.2945

168.3374, 0.3063,
0.3219

■ 0.2204, 0.2129,
0.2195

207.6510, 0.3067,

■ 0.0000, 0.0000,

0.3224

0.0000

252.6534, 0.3071,
0.3228

■ 30.3923, 0.3013,
0.3165

■ 30.3923, 0.3013,
0.3165

■ 25.8309, 0.2854,
0.2983

■ 35.4589, 0.3162,
0.3327

■ 21.7547, 0.2686,
0.2782

■ 41.0422, 0.3299,
0.3470

■ 18.1481, 0.2511,
0.2561

■ 47.1581, 0.3424,
0.3595

■ 14.9931, 0.2336,
0.2324

■ 53.8207, 0.3539,
0.3705

■ 12.2702, 0.2164,
0.2076

■ 61.0434, 0.3643,
0.3801

■ 9.9588, 0.2003,
0.1824

■ 68.8393, 0.3737,
0.3884

■ 8.0358, 0.1862,
0.1578

■ 76.9138, 0.3810,
0.3960

■ 6.4759, 0.1746,
0.1348

■ 82.7466, 0.3772,
0.4057

■ 5.2423, 0.1658,
0.1144

■ 88.9363, 0.3735,
0.4151

Harmonies

Analogous

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



30.3923, 0.2982, 0.3200



30.3923, 0.3013, 0.3165



30.3923, 0.3075, 0.3164

Triad

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



30.3923, 0.3013, 0.3165



30.3923, 0.3268, 0.3318



30.3923, 0.3102, 0.3388

Complementary

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



30.3923, 0.3013, 0.3165



32.4641, 0.3243, 0.3412

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.



30.3923, 0.3178, 0.3420



30.3923, 0.3013, 0.3165



30.3923, 0.3275, 0.3379

Square

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



30.3923, 0.3013, 0.3165



30.3923, 0.3222, 0.3251



30.3923, 0.3242, 0.3416



30.3923, 0.3032, 0.3329

Rectangle

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



30.3923, 0.3013, 0.3165



30.3923, 0.3126, 0.3181



30.3923, 0.3242, 0.3416



30.3923, 0.3127, 0.3402

Sweetspot

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



30.3936, 0.3013, 0.3165



60.1867, 0.3097, 0.3258



32.9072, 0.3047, 0.3352



13.5939, 0.3099, 0.3260



80.7346, 0.3127, 0.3290



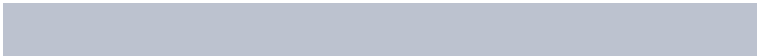
13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3936, 0.3013, 0.3165



53.8218, 0.2989, 0.3138



29.3210, 0.3033, 0.3103



6.7784, 0.2988, 0.3137



4.0570, 0.1643, 0.1114



0.1460, 0.1858, 0.1888

Inverse Universe

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



30.0296, 0.3214, 0.3229



53.0522, 0.3234, 0.3216



33.6084, 0.3217, 0.3473



6.6808, 0.3234, 0.3216



6.0318, 0.5590, 0.2853



0.1153, 0.4582, 0.2298

Previews

White Background



This preview shows how the Yxy color 30.3923, 0.3013, 0.3165 looks on a white background.

Color Contrast Check

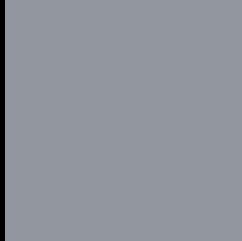
Large Text (above 18pt) WCAG AA × Fail

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 30.3923, 0.3013, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

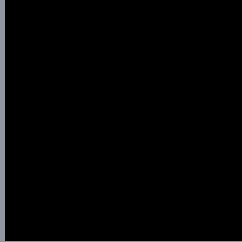
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

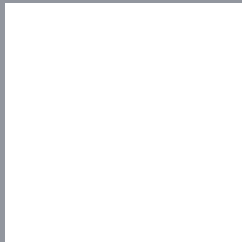
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3923, 0.3013, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 30.3923, 0.3013, 0.3165.



This preview shows how white text looks on a background with the Yxy color 30.3923, 0.3013, 0.3165.

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

30.3923, 0.3013, 0.3165

Protanopia

30.4132, 0.3062, 0.3167

Deuteranopia

30.2276, 0.3147, 0.3081



Tritanopia

30.2711, 0.2996, 0.3105

Trichromacy



Original Color

30.3923, 0.3013, 0.3165

Protanomaly

30.3188, 0.3052, 0.3166

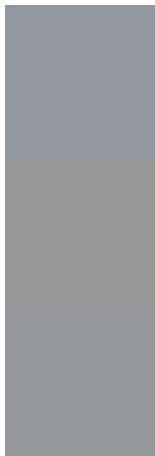
Deuteranomaly

30.3392, 0.3095, 0.3108

Tritanomaly

30.2360, 0.3005, 0.3120

Monochromacy



Original Color

30.3923, 0.3013, 0.3165

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.5022, 0.3089, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3923, 0.3013, 0.3165 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(146, 150, 158)` looks like.

```
.text, #text, p{  
    color:rgb(146, 150, 158)  
}
```

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(146, 150, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 150, 158) }
```

Border

The CSS property to change the border of an element to Yxy 30.3923, 0.3013, 0.3165 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(146, 150, 158) }
```

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

```
.border{ border-color:rgb(146, 150, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 150, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 150, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 150, 158);  
box-shadow:4px 4px 4px 4px rgb(146, 150,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3923, 0.3013, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 150, 158) }
```

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

```
.background{ background-color: rgb(146,  
150, 158) }
```

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