

Converting Colors

$Y_{xy}(40.7010, 0.2925, 0.3014)$

Have a look what the booklet for
Yxy(40.7010, 0.2925, 0.3014)
contains.

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Color

Yxy(40.6180, 0.2923, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	A6AABF
RGB	166, 170, 191
RGB Percent	65%, 67%, 75%
CMY	0.3489, 0.3334, 0.2510
CMYK	0.13, 0.11, 0.00, 0.25
HSL	230°, 16%, 70%
HSV	230°, 13%, 75%
XYZ	39.5096, 40.6180, 55.0404
YIQ	171.1980, -9.1250, 5.6830

Conversions

Conversions Part 2

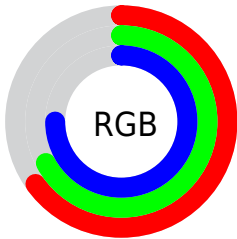
Format	Color
R _Y B	166, 169, 191
Decimal	10922687
CIE Lab	69.91, 2.87, -11.20
CIE LCh	70, 11.565, 284.350
Yxy	40.6180, 0.2923, 0.3005
Android (android.graphics.Color)	4289112767 (0xFFA6AABF)
YUV	171.1980, 9.7624, -4.5586
Hunter-Lab	63.7323, -0.8737, -6.5914

Details

The Yxy color $40.6180, 0.2923, 0.3005$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $49.3854, 0.3326, 0.3560$, and the grayscale version is $40.7861, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9380, 0.2962, 0.3059$, and $18.3693, 0.2857, 0.2915$ is the 20% darker color. If you saturate the color by 10%, you get $33.0439, 0.2749, 0.2755$, and if you desaturate by 10%, it is $49.2388, 0.3082, 0.3227$.

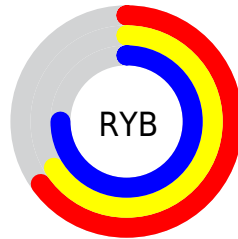
Distribution



Red (65%)

Green (67%)

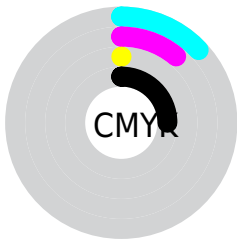
Blue (75%)



Red (65%)

Yellow (66%)

Blue (75%)

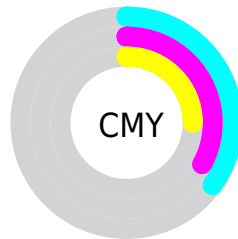


Cyan (13%)

Magenta (11%)

Yellow (0%)

Black (25%)



Cyan (35%)


Magenta (33%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6180, 0.2923, 0.3005 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 40.6180, 0.2923, 0.3005 by changing the saturation by 10% instead.


 40.6180, 0.2923,
0.3005


 40.6180, 0.2923,
0.3005


348.7215, 0.3027,
0.3149

 28.0207, 0.2896,
0.2968


 76.1037, 0.2961,
0.3058

 18.3413, 0.2861,
0.2921


 99.7608, 0.2976,
0.3078

 11.1953, 0.2814,
0.2858


127.8734, 0.2988,
0.3094

 6.1983, 0.2747,
0.2768

160.8258, 0.2998,
0.3108

 2.9661, 0.2644,
0.2633

199.0025, 0.3007,
0.3121

 1.1140, 0.2467,
0.2406

242.7877, 0.3015,

 0.0000, 0.0724,

0.3131

0.0000

292.5659, 0.3021,
0.3141

0.0000, 0.0000,
0.0000

40.6180, 0.2923,
0.3005

40.6180, 0.2923,
0.3005

33.0439, 0.2749,
0.2755

49.2388, 0.3082,
0.3227

26.4715, 0.2561,
0.2479

58.9390, 0.3224,
0.3423

20.8600, 0.2365,
0.2182

69.7561, 0.3351,
0.3593

16.1637, 0.2168,
0.1873

81.7242, 0.3464,
0.3741

12.3335, 0.1980,
0.1566

93.6155, 0.3518,
0.3878

■ 9.3150, 0.1812,
0.1278

■ 96.5411, 0.3508,
0.3920

■ 7.0480, 0.1676,
0.1028

■ 5.4629, 0.1581,
0.0832

■ 4.7027, 0.1537,
0.0732

Harmonies

Analogous

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



40.6180, 0.2825, 0.3049



40.6180, 0.2923, 0.3005



40.6180, 0.3077, 0.3034

Triad

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



40.6180, 0.2923, 0.3005



40.6180, 0.3459, 0.3406



40.6180, 0.3002, 0.3462

Complementary

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



40.6180, 0.2923, 0.3005



49.3854, 0.3326, 0.3560

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.



40.6180, 0.3170, 0.3564



40.6180, 0.2923, 0.3005



40.6180, 0.3437, 0.3526

Square

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



40.6180, 0.2923, 0.3005



40.6180, 0.3390, 0.3261



40.6180, 0.3330, 0.3586



40.6180, 0.2870, 0.3311

Rectangle

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



40.6180, 0.2923, 0.3005



40.6180, 0.3192, 0.3090



40.6180, 0.3330, 0.3586



40.6180, 0.3056, 0.3503

Sweetspot

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



40.6197, 0.2923, 0.3005



86.5669, 0.3067, 0.3206



48.9485, 0.2960, 0.3345



18.7394, 0.3055, 0.3190



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.6197, 0.2923, 0.3005



68.2296, 0.2869, 0.2928



40.0884, 0.2994, 0.2957



9.4630, 0.2984, 0.3091



3.1694, 0.1541, 0.0748



0.2021, 0.1647, 0.1129

Inverse Universe

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



41.2644, 0.3327, 0.3239



69.6968, 0.3384, 0.3226



50.0383, 0.3249, 0.3616



9.5604, 0.3264, 0.3254



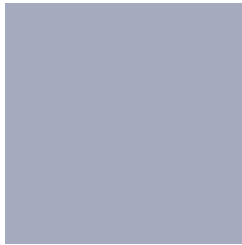
7.3496, 0.6153, 0.3163



0.2958, 0.5567, 0.2841

Previews

White Background



This preview shows how the Yxy color 40.6180, 0.2923, 0.3005 looks on a white background.

Color Contrast Check

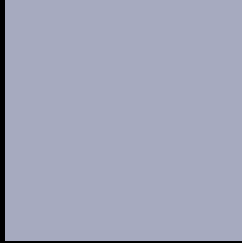
Large Text (above 18pt) WCAG AA × Fail

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 40.6180, 0.2923, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

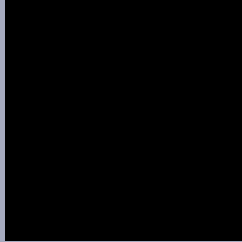
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

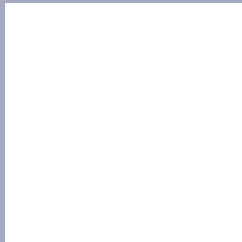
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6180, 0.2923, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 40.6180, 0.2923, 0.3005.



This preview shows how white text looks on a background with the Yxy color 40.6180, 0.2923, 0.3005.

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

40.6180, 0.2923, 0.3005

Protanopia

40.4624, 0.2939, 0.2993

Deuteranopia

40.4253, 0.3009, 0.2946



Tritanopia

40.6279, 0.2961, 0.3098

Trichromacy



Original Color

40.6180, 0.2923, 0.3005

Protanomaly

40.3530, 0.2931, 0.2992

Deuteranomaly

40.3274, 0.2974, 0.2956

Tritanomaly

40.7130, 0.2945, 0.3071

Monochromacy



Original Color

40.6180, 0.2923, 0.3005

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7752, 0.3052, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6180, 0.2923, 0.3005 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(166, 170, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 170, 191)  
}
```

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(166, 170, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 170, 191) }
```

Border

The CSS property to change the border of an element to Yxy 40.6180, 0.2923, 0.3005 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(166, 170, 191) }
```

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

```
.border{ border-color:rgb(166, 170, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 170, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 170, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 170, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 170,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6180, 0.2923, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 170, 191) }
```

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

```
.background{ background-color: rgb(166,  
170, 191) }
```

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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