

Converting Colors

$Y_{xy}(39.9658, 0.2956, 0.2998)$

Have a look what the booklet for
Yxy(39.9658, 0.2956, 0.2998)
contains.

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Color

Yxy(40.0042, 0.2955, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	A8A8BD
RGB	168, 168, 189
RGB Percent	66%, 66%, 74%
CMY	0.3411, 0.3412, 0.2589
CMYK	0.11, 0.11, 0.00, 0.26
HSL	240°, 14%, 70%
HSV	240°, 11%, 74%
XYZ	39.3386, 40.0042, 53.7827
YIQ	170.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

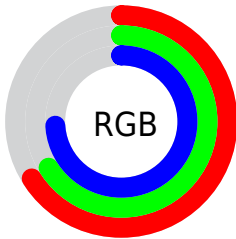
Format	Color
RYB	168, 168, 189
Decimal	11053245
CIELab	69.47, 4.20, -10.73
CIELCh	69, 11.524, 291.383
Yxy	40.0042, 0.2955, 0.3005
Android (android.graphics.Color)	4289243325 (0xFFA8A8BD)
YUV	170.3940, 9.1728, -2.0995
Hunter-Lab	63.2489, 0.3352, -6.1421

Details

The Yxy color $40.0042, 0.2955, 0.3005$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $50.0290, 0.3290, 0.3560$, and the grayscale version is $40.3632, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0559, 0.2987, 0.3059$, and $17.9814, 0.2900, 0.2915$ is the 20% darker color. If you saturate the color by 10%, you get $31.6038, 0.2778, 0.2713$, and if you desaturate by 10%, it is $49.7227, 0.3111, 0.3264$.

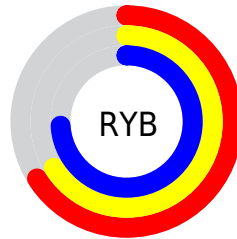
Distribution



Red (66%)

Green (66%)

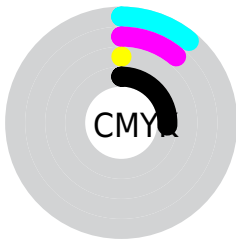
Blue (74%)



Red (66%)

Yellow (66%)

Blue (74%)

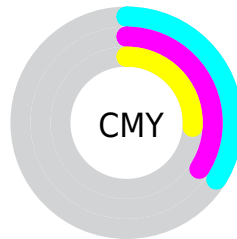


Cyan (11%)

Magenta (11%)

Yellow (0%)

Black (26%)



Cyan (34%)


Magenta (34%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0042, 0.2955, 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 40.0042, 0.2955, 0.3005 by changing the saturation by 10% instead.


 40.0042, 0.2955,
0.3005


 40.0042, 0.2955,
0.3005


346.1413, 0.3044,
0.3149

 27.5418, 0.2932,
0.2968


 75.1699, 0.2988,
0.3058

 17.9806, 0.2902,
0.2921


 98.6420, 0.3000,
0.3078

 10.9360, 0.2862,
0.2858


126.5528, 0.3010,
0.3094

 6.0238, 0.2804,
0.2768

159.2868, 0.3019,
0.3108

 2.8596, 0.2714,
0.2632

197.2282, 0.3026,
0.3121

 1.0589, 0.2556,
0.2403

240.7615, 0.3033,

 0.0000, 0.0641,

0.3131

0.0000

290.2710, 0.3038,
0.3141

0.0000, 0.0000,
0.0000

40.0042, 0.2955,
0.3005

40.0042, 0.2955,
0.3005

31.6038, 0.2778,
0.2713

49.7227, 0.3111,
0.3264

24.4601, 0.2583,
0.2390

60.8074, 0.3247,
0.3489

18.5142, 0.2374,
0.2044

73.3101, 0.3365,
0.3683

13.7006, 0.2160,
0.1690

87.2782, 0.3466,
0.3850

9.9474, 0.1955,
0.1351

96.4534, 0.3520,
0.3939

■ 7.1746, 0.1775,
0.1053

■ 5.2910, 0.1634,
0.0821

■ 4.1879, 0.1545,
0.0673

■ 3.6749, 0.1501,
0.0600

Harmonies

Analogous

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



40.0042, 0.2841, 0.3032



40.0042, 0.2955, 0.3005



40.0042, 0.3117, 0.3051

Triad

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



40.0042, 0.2955, 0.3005



40.0042, 0.3463, 0.3438



40.0042, 0.2966, 0.3429

Complementary

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



40.0042, 0.2955, 0.3005



50.0290, 0.3290, 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.



40.0042, 0.3130, 0.3547



40.0042, 0.2955, 0.3005



40.0042, 0.3419, 0.3547

Square

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



40.0042, 0.2955, 0.3005



40.0042, 0.3414, 0.3296



40.0042, 0.3296, 0.3589



40.0042, 0.2848, 0.3274

Rectangle

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



40.0042, 0.2955, 0.3005



40.0042, 0.3232, 0.3115



40.0042, 0.3296, 0.3589



40.0042, 0.3018, 0.3475

Sweetspot

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



40.0059, 0.2955, 0.3005



85.4978, 0.3082, 0.3216



48.3865, 0.2959, 0.3290



18.0728, 0.3070, 0.3196



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.0059, 0.2955, 0.3005



68.3052, 0.2920, 0.2946



41.2016, 0.3046, 0.3013



9.2259, 0.2984, 0.3053



2.4733, 0.1501, 0.0600



0.0971, 0.1502, 0.0601

Inverse Universe

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



42.4940, 0.3140, 0.3021



73.5309, 0.3142, 0.2969



48.7387, 0.3201, 0.3567



9.6961, 0.3138, 0.3064



9.7446, 0.3212, 0.1543



0.3818, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 40.0042, 0.2955, 0.3005 looks on a white background.

Color Contrast Check

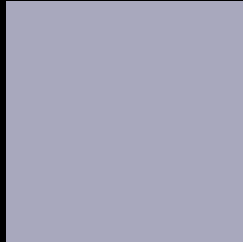
Large Text (above 18pt) WCAG AA × Fail

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 40.0042, 0.2955, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

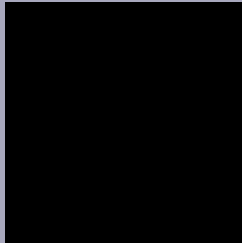
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0042, 0.2955, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 40.0042, 0.2955, 0.3005.



This preview shows how white text looks on a background with the Yxy color 40.0042, 0.2955, 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

40.0042, 0.2955, 0.3005

Protanopia

39.8949, 0.2946, 0.3004

Deuteranopia

39.9751, 0.3025, 0.2958



Tritanopia

39.9688, 0.3002, 0.3111

Trichromacy



Original Color

40.0042, 0.2955, 0.3005

Protanomaly

39.8949, 0.2946, 0.3004

Deuteranomaly

39.9888, 0.2999, 0.2969

Tritanomaly

40.0942, 0.2978, 0.3071

Monochromacy



Original Color

40.0042, 0.2955, 0.3005

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9853, 0.3060, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0042, 0.2955, 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(168, 168, 189)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 189)  
}
```

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(168, 168, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 189) }
```

Border

The CSS property to change the border of an element to Yxy 40.0042, 0.2955, 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(168, 168, 189) }
```

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

```
.border{ border-color:rgb(168, 168, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 168, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 189);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0042, 0.2955, 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(168, 168, 189) }
```

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

```
.background{ background-color: rgb(168,  
168, 189) }
```

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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