

Converting Colors

$Yxy(42.2653, 0.3083, 0.3625)$

Have a look what the booklet for
Yxy(42.2653, 0.3083, 0.3625)
contains.

Yxy(42.3521, 0.3086, 0.3636)	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(42.3521, 0.3086, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	9AB59D
RGB	154, 181, 157
RGB Percent	60%, 71%, 62%
CMY	0.3958, 0.2902, 0.3843
CMYK	0.15, 0.00, 0.13, 0.29
HSL	127°, 15%, 66%
HSV	127°, 15%, 71%
XYZ	35.9457, 42.3521, 38.1821
YIQ	170.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

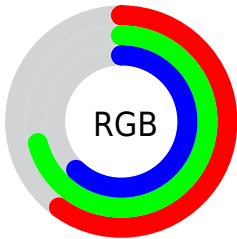
Format	Color
RYB	154, 178, 181
Decimal	10139037
CIELab	71.11, -13.91, 9.16
CIELCh	71, 16.651, 146.629
Yxy	42.3521, 0.3086, 0.3636
Android (android.graphics.Color)	4288329117 (0xFF9AB59D)
YUV	170.1910, -6.5032, -14.1995
Hunter-Lab	65.0785, -15.2940, 10.7690

Details

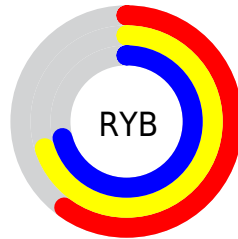
The Yxy color $42.3521, 0.3086, 0.3636$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $36.1711, 0.3171, 0.2967$, and the grayscale version is $40.3413, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8771, 0.3094, 0.3565$, and $19.3625, 0.3072, 0.3737$ is the 20% darker color. If you saturate the color by 10%, you get $40.1941, 0.3058, 0.3905$, and if you desaturate by 10%, it is $44.8542, 0.3114, 0.3396$.

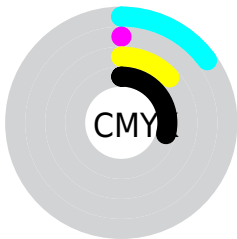
Distribution



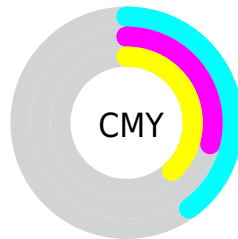
- Red (60%)
- Green (71%)
- Blue (62%)



- Red (60%)
- Yellow (70%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)





- Cyan (40%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3521, 0.3086, 0.3636 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 42.3521, 0.3086, 0.3636 by changing the saturation by 10% instead.

 42.3521, 0.3086,
0.3636


 42.3521, 0.3086,
0.3636


355.9405, 0.3109,
0.3456

 29.3771, 0.3079,
0.3683


 78.7322, 0.3095,
0.3569

 19.3663, 0.3071,
0.3745


 102.9062, 0.3098,
0.3544

 11.9352, 0.3058,
0.3830


131.5818, 0.3101,
0.3524

 6.6996, 0.3038,
0.3954

165.1437, 0.3103,
0.3506

 3.2749, 0.3004,
0.4152

203.9761, 0.3105,
0.3491

 1.2769, 0.2958,
0.4551

248.4634, 0.3106,

 0.1232, 0.0000,

0.3478

1.0000

298.9901, 0.3108,
0.3467

0.0000, 0.0000,
0.0000

42.3521, 0.3086,
0.3636

42.3521, 0.3086,
0.3636

40.1941, 0.3058,
0.3905

44.8542, 0.3114,
0.3396

38.3599, 0.3030,
0.4202

47.7088, 0.3141,
0.3186

36.8356, 0.3005,
0.4519

50.9308, 0.3166,
0.3003

35.6040, 0.2984,
0.4844

54.5326, 0.3189,
0.2844

34.6461, 0.2969,
0.5162

58.5261, 0.3211,
0.2708

■ 33.9408, 0.2962,
0.5449

■ 61.4411, 0.3171,
0.2577

■ 33.4641, 0.2964,
0.5687

■ 61.5228, 0.3161,
0.2565

■ 33.1868, 0.2974,
0.5858

■ 33.0926, 0.2978,
0.5920

Harmonies

Analogous

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



42.3521, 0.3326, 0.3716



42.3521, 0.3086, 0.3636



42.3521, 0.2864, 0.3451

Triad

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



42.3521, 0.3086, 0.3636



42.3521, 0.2746, 0.2911



42.3521, 0.3557, 0.3331

Complementary

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



42.3521, 0.3086, 0.3636



36.1711, 0.3171, 0.2967

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.



42.3521, 0.3390, 0.3132



42.3521, 0.3086, 0.3636



42.3521, 0.2919, 0.2895

Square

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



42.3521, 0.3086, 0.3636



42.3521, 0.2672, 0.3028



42.3521, 0.3154, 0.2976



42.3521, 0.3604, 0.3527

Rectangle

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



42.3521, 0.3086, 0.3636



42.3521, 0.2754, 0.3300



42.3521, 0.3154, 0.2976



42.3521, 0.3513, 0.3262

Sweetspot

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



42.3539, 0.3086, 0.3636



80.7345, 0.3116, 0.3378



44.8781, 0.3322, 0.3655



17.3720, 0.3114, 0.3395



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.3539, 0.3086, 0.3636



74.4737, 0.3076, 0.3725



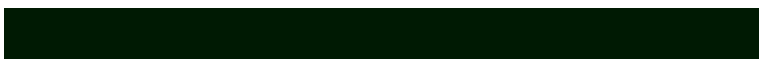
42.8298, 0.2985, 0.3442



9.5047, 0.3102, 0.3499



22.8221, 0.2974, 0.5908



0.7229, 0.2882, 0.5576

Inverse Universe

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



36.1711, 0.3171, 0.2967



61.1692, 0.3182, 0.2891



35.6656, 0.3295, 0.3143



8.6304, 0.3154, 0.3090



8.5575, 0.3501, 0.1702



0.2738, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 42.3521, 0.3086, 0.3636 looks on a white background.

Color Contrast Check

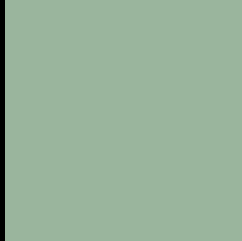
Large Text (above 18pt) WCAG AA × Fail

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 42.3521, 0.3086, 0.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

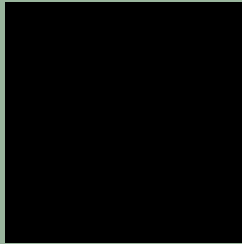
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

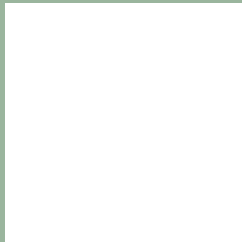
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3521, 0.3086, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 42.3521, 0.3086, 0.3636.



This preview shows how white text looks on a background with the Yxy color 42.3521, 0.3086, 0.3636.

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

42.3521, 0.3086, 0.3636

Protanopia

42.1321, 0.3381, 0.3562

Deuteranopia

42.2791, 0.3462, 0.3395



Tritanopia

42.2420, 0.2883, 0.3098

Trichromacy



Original Color

42.3521, 0.3086, 0.3636

Protanomaly

42.1544, 0.3274, 0.3596

Deuteranomaly

42.2141, 0.3319, 0.3480

Tritanomaly

42.3242, 0.2958, 0.3290

Monochromacy



Original Color

42.3521, 0.3086, 0.3636

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.8812, 0.3112, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3521, 0.3086, 0.3636 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(154, 181, 157)` looks like.

```
.text, #text, p{  
    color:rgb(154, 181, 157)  
}
```

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(154, 181, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 181, 157) }
```

Border

The CSS property to change the border of an element to Yxy 42.3521, 0.3086, 0.3636 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(154, 181, 157) }
```

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

```
.border{ border-color:rgb(154, 181, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 181, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 181, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 181, 157);  
box-shadow:4px 4px 4px 4px rgb(154, 181,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3521, 0.3086, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 181, 157) }
```

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

```
.background{ background-color: rgb(154,  
181, 157) }
```

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