

Converting Colors

$Y_{xy}(35.1169, 0.2622, 0.3642)$

Have a look what the booklet for
Yxy(35.1169, 0.2622, 0.3642)
contains.

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Color

Yxy(35.1169, 0.2622, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	59AF9A
RGB	89, 175, 154
RGB Percent	35%, 69%, 60%
CMY	0.6511, 0.3137, 0.3960
CMYK	0.49, 0.00, 0.12, 0.31
HSL	165°, 35%, 52%
HSV	165°, 49%, 69%
XYZ	25.2819, 35.1169, 36.0233
YIQ	146.8920, -44.5150, -24.7630

Conversions

Conversions Part 2

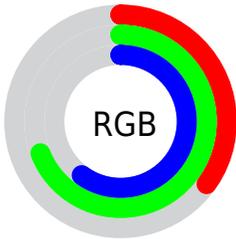
Format	Color
RYB	89, 138, 175
Decimal	5877658
CIELab	65.84, -31.20, 2.78
CIElCh	66, 31.321, 174.914
Yxy	35.1169, 0.2622, 0.3642
Android (android.graphics.Color)	4284067738 (0xFF59AF9A)
YUV	146.8920, 3.5042, -50.7713
Hunter-Lab	59.2595, -27.5508, 5.4399

Details

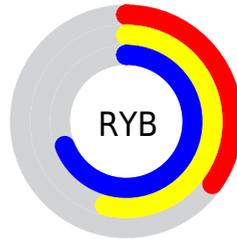
The Yxy color **35.1169, 0.2622, 0.3642** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3813, 0.4129, 0.2983**, and the grayscale version is **29.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6352, 0.2721, 0.3576**, and **15.1596, 0.2460, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **34.2134, 0.2555, 0.3728**, and if you desaturate by 10%, it is **36.2340, 0.2705, 0.3560**.

Distribution



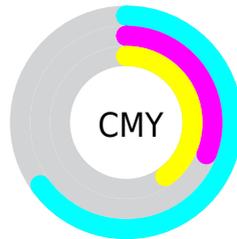
- Red (35%)
- Green (69%)
- Blue (60%)



- Red (35%)
- Yellow (54%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (12%)
- Black (31%)



- Cyan (65%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1169, 0.2622, 0.3642 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 35.1169, 0.2622, 0.3642 by changing the saturation by 10% instead.

 35.1169, 0.2622,
0.3642

 35.1169, 0.2622,
0.3642

325.0840, 0.2887,
0.3456

 23.7529, 0.2552,
0.3692

 67.6668, 0.2721,
0.3572

 15.1505, 0.2459,
0.3759

 89.6216, 0.2757,
0.3546

 8.9250, 0.2332,
0.3852

 115.8754, 0.2788,
0.3525

 4.6923, 0.2146,
0.3991

 146.8126, 0.2814,
0.3507

 2.0679, 0.1850,
0.4219

182.8177, 0.2836,
0.3491

 0.6465, 0.0000,
0.5591

224.2751, 0.2855,

 0.0000, 0.0000,

0.3478

0.0000

271.5690, 0.2872,
0.3466

■ 35.1169, 0.2622,
0.3642

■ 35.1169, 0.2622,
0.3642

■ 34.2134, 0.2555,
0.3728

■ 36.2340, 0.2705,
0.3560

■ 33.5045, 0.2506,
0.3816

■ 37.5740, 0.2800,
0.3483

■ 32.9747, 0.2476,
0.3906

■ 39.1505, 0.2906,
0.3411

■ 32.6043, 0.2465,
0.3996

■ 40.9749, 0.3019,
0.3345

■ 32.3555, 0.2470,
0.4085

■ 43.0579, 0.3137,
0.3285

 32.3360, 0.2470,
0.4093

 45.4095, 0.3258,
0.3231

 48.0391, 0.3378,
0.3184

 50.9558, 0.3498,
0.3141

 54.1681, 0.3614,
0.3104

Harmonies

Analogous

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



35.1169, 0.3055, 0.4031



35.1169, 0.2622, 0.3642



35.1169, 0.2336, 0.3162

Triad

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



35.1169, 0.2622, 0.3642



35.1169, 0.2687, 0.2532



35.1169, 0.4087, 0.3703

Complementary

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



35.1169, 0.2622, 0.3642



17.3813, 0.4129, 0.2983

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.



35.1169, 0.3983, 0.3322



35.1169, 0.2622, 0.3642



35.1169, 0.3141, 0.2678

Square

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



35.1169, 0.2622, 0.3642



35.1169, 0.2373, 0.2557



35.1169, 0.3626, 0.2959



35.1169, 0.3912, 0.4020

Rectangle

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



35.1169, 0.2622, 0.3642



35.1169, 0.2256, 0.2884



35.1169, 0.3626, 0.2959



35.1169, 0.4084, 0.3579

Sweetspot

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



35.1183, 0.2622, 0.3642



71.3318, 0.2949, 0.3385



34.7291, 0.3225, 0.4741



15.7087, 0.2926, 0.3398



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.1183, 0.2622, 0.3642



61.1481, 0.2550, 0.3735



28.1644, 0.2424, 0.2926



9.0382, 0.3018, 0.3346



23.1656, 0.2467, 0.4083



0.6524, 0.2393, 0.3813

Inverse Universe

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



17.3813, 0.4129, 0.2983



25.6594, 0.4494, 0.2932



21.0927, 0.4300, 0.3612



8.0462, 0.3249, 0.3235



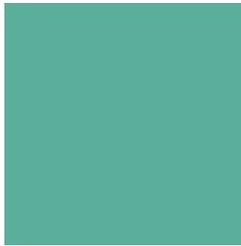
6.6586, 0.5911, 0.3030



0.1938, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 35.1169, 0.2622, 0.3642 looks on a white background.

Color Contrast Check

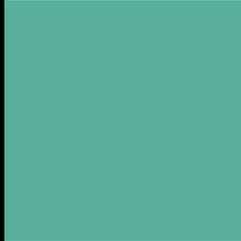
Large Text (above 18pt) WCAG AA × Fail

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 35.1169, 0.2622, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

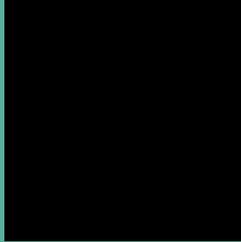
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

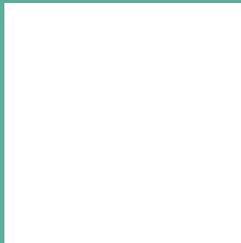
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1169, 0.2622, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 35.1169, 0.2622, 0.3642.



This preview shows how white text looks on a background with the Yxy color 35.1169, 0.2622, 0.3642.

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

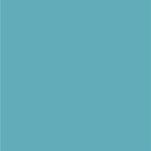
35.1169, 0.2622, 0.3642

Protanopia

34.4974, 0.3316, 0.3482

Deuteranopia

34.6131, 0.3281, 0.3220



Tritanopia

35.1832, 0.2476, 0.3084

Trichromacy



Original Color

35.1169, 0.2622, 0.3642

Protanomaly

34.0074, 0.3014, 0.3542

Deuteranomaly

34.1146, 0.2993, 0.3367

Tritanomaly

34.9551, 0.2529, 0.3272

Monochromacy



Original Color

35.1169, 0.2622, 0.3642

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7516, 0.2897, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1169, 0.2622, 0.3642 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(89, 175, 154)` looks like.

```
.text, #text, p{  
    color:rgb(89, 175, 154)  
}
```

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(89, 175, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 175, 154) }
```

Border

The CSS property to change the border of an element to Yxy 35.1169, 0.2622, 0.3642 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(89, 175, 154) }
```

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

```
.border{ border-color:rgb(89, 175, 154) }
```

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

Here you see how a box with a 4 pixel rgb(89, 175, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 175, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 175, 154);  
box-shadow:4px 4px 4px 4px rgb(89, 175,  
154) }
```

Background

The CSS property to change the background color of an element to Yxy 35.1169, 0.2622, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 175, 154) }
```

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

```
.background{ background-color: rgb(89, 175,  
154) }
```

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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