

Converting Colors

$Y_{xy}(35.7456, 0.2601, 0.3407)$

Have a look what the booklet for
Yxy(35.7456, 0.2601, 0.3407)
contains.

Yxy(35.7148, 0.2596, 0.3402)	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(35.7148, 0.2596, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	63AEA7
RGB	99, 174, 167
RGB Percent	39%, 68%, 65%
CMY	0.6119, 0.3176, 0.3451
CMYK	0.43, 0.00, 0.04, 0.32
HSL	174°, 32%, 54%
HSV	174°, 43%, 68%
XYZ	27.2533, 35.7148, 42.0137
YIQ	150.7770, -42.4530, -18.0770

Conversions

Conversions Part 2

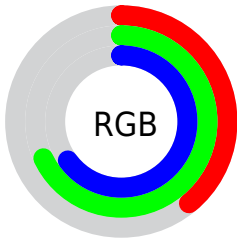
Format	Color
RYB	99, 138, 174
Decimal	6532775
CIELab	66.30, -25.04, -3.71
CIELCh	66, 25.312, 188.417
Yxy	35.7148, 0.2596, 0.3402
Android (android.graphics.Color)	4284722855 (0xFF63AEA7)
YUV	150.7770, 7.9979, -45.4084
Hunter-Lab	59.7619, -23.1817, 0.1513

Details

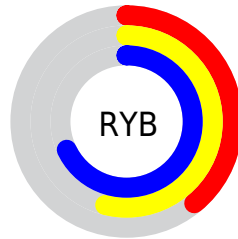
The Yxy color **35.7148, 0.2596, 0.3402** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.9571, 0.4122, 0.3188**, and the grayscale version is **30.8231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7376, 0.2699, 0.3386**, and **15.4261, 0.2430, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **34.7801, 0.2507, 0.3432**, and if you desaturate by 10%, it is **36.8642, 0.2701, 0.3373**.

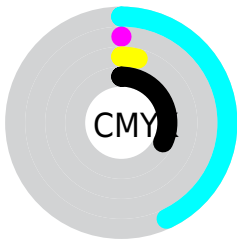
Distribution



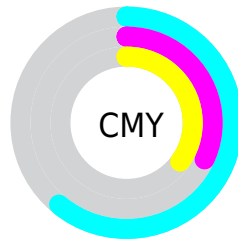
- Red (39%)
- Green (68%)
- Blue (65%)



- Red (39%)
- Yellow (54%)
- Blue (68%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (32%)



- Cyan (61%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7148, 0.2596, 0.3402 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 35.7148, 0.2596, 0.3402 by changing the saturation by 10% instead.

 35.7148, 0.2596,
0.3402

 35.7148, 0.2596,
0.3402


327.7123, 0.2870,
0.3347


 24.2140, 0.2525,
0.3415


 68.5916, 0.2698,
0.3382


 15.4925, 0.2432,
0.3432


 90.7365, 0.2735,
0.3375

 9.1657, 0.2305,
0.3453


 117.1981, 0.2767,
0.3369

 4.8494, 0.2124,
0.3480

 148.3610, 0.2794,
0.3363

 2.1592, 0.1843,
0.3515

184.6094, 0.2817,
0.3358

 0.6976, 0.0293,
0.3943

226.3279, 0.2837,

 0.0000, 0.0000,

0.3354

0.0000

273.9007, 0.2855,
0.3350

■ 35.7148, 0.2596,
0.3402

■ 35.7148, 0.2596,
0.3402

■ 34.7801, 0.2507,
0.3432

■ 36.8642, 0.2701,
0.3373

■ 34.0422, 0.2436,
0.3463

■ 38.2366, 0.2819,
0.3346

■ 33.4871, 0.2383,
0.3495


■ 39.8448, 0.2947,
0.3320


■ 33.0974, 0.2349,
0.3527

■ 41.6997, 0.3083,
0.3297

■ 32.8520, 0.2332,
0.3558

■ 43.8112, 0.3225,
0.3276

 32.7355, 0.2328,
0.3579

 46.1888, 0.3369,
0.3257

 48.8417, 0.3513,
0.3240

 51.7783, 0.3656,
0.3225

 54.8978, 0.3790,
0.3212

Harmonies

Analogous

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



35.7148, 0.2906, 0.3757



35.7148, 0.2596, 0.3402



35.7148, 0.2429, 0.3037

Triad

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



35.7148, 0.2596, 0.3402



35.7148, 0.2930, 0.2707



35.7148, 0.3863, 0.3761

Complementary

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



35.7148, 0.2596, 0.3402



18.9571, 0.4122, 0.3188

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.



35.7148, 0.3879, 0.3467



35.7148, 0.2596, 0.3402



35.7148, 0.3321, 0.2882

Square

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



35.7148, 0.2596, 0.3402



35.7148, 0.2612, 0.2664



35.7148, 0.3677, 0.3153



35.7148, 0.3642, 0.3954

Rectangle

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



35.7148, 0.2596, 0.3402



35.7148, 0.2414, 0.2847



35.7148, 0.3677, 0.3153



35.7148, 0.3894, 0.3670

Sweetspot

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



35.7162, 0.2596, 0.3402



72.2338, 0.2946, 0.3321



34.2689, 0.3125, 0.4579



15.9056, 0.2917, 0.3326



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.



35.7162, 0.2596, 0.3402



63.1117, 0.2509, 0.3432



25.6511, 0.2468, 0.2782



9.0590, 0.2998, 0.3311



23.7452, 0.2327, 0.3576



0.6642, 0.2300, 0.3481

Inverse Universe

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



18.9571, 0.4122, 0.3188



28.6016, 0.4489, 0.3169



25.5960, 0.4027, 0.3740



8.0271, 0.3272, 0.3269



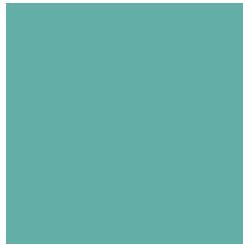
6.5587, 0.6273, 0.3229



0.1863, 0.5790, 0.2963

Previews

White Background



This preview shows how the Yxy color 35.7148, 0.2596, 0.3402 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 35.7148, 0.2596, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

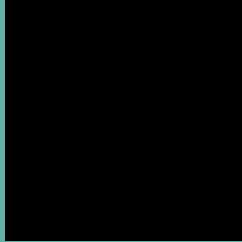
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7148, 0.2596, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 35.7148, 0.2596, 0.3402.

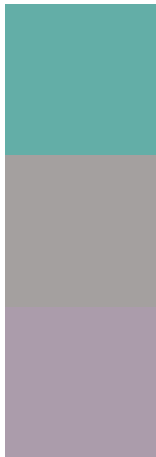


This preview shows how white text looks on a background with the Yxy color 35.7148, 0.2596, 0.3402.

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

35.7148, 0.2596, 0.3402

Protanopia

35.5373, 0.3175, 0.3305

Deuteranopia

35.3751, 0.3137, 0.3080



Tritanopia

35.5717, 0.2506, 0.3071

Trichromacy



Original Color

35.7148, 0.2596, 0.3402

Protanomaly

35.0944, 0.2926, 0.3335

Deuteranomaly

35.1164, 0.2905, 0.3185

Tritanomaly

35.5442, 0.2540, 0.3193

Monochromacy



Original Color

35.7148, 0.2596, 0.3402

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.1361, 0.2894, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7148, 0.2596, 0.3402 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(99, 174, 167)` looks like.

```
.text, #text, p{  
  color:rgb(99, 174, 167)  
}
```

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(99, 174, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 174, 167) }
```

Border

The CSS property to change the border of an element to Yxy 35.7148, 0.2596, 0.3402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

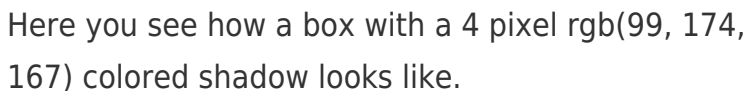
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 174, 167) }
```

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

```
.border{ border-color:rgb(99, 174, 167) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 174, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 174, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 174, 167); box-shadow:4px 4px 4px 4px rgb(99, 174, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7148, 0.2596, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 174, 167) }
```

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

```
.background{ background-color: rgb(99, 174,  
167) }
```

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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