

Converting Colors

$Y_{xy}(37.0799, 0.2556, 0.3357)$

Have a look what the booklet for
Yxy(37.0799, 0.2556, 0.3357)
contains.

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Color

Yxy(37.0028, 0.2554, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	61B1AD
RGB	97, 177, 173
RGB Percent	38%, 69%, 68%
CMY	0.6197, 0.3059, 0.3215
CMYK	0.45, 0.00, 0.02, 0.31
HSL	177°, 34%, 54%
HSV	177°, 45%, 69%
XYZ	28.1937, 37.0028, 45.1938
YIQ	152.6240, -46.3960, -18.2040

Conversions

Conversions Part 2

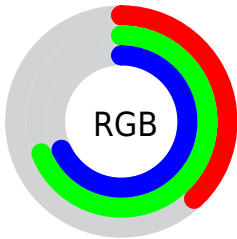
Format	Color
RYB	97, 138, 177
Decimal	6402477
CIELab	67.28, -25.50, -5.60
CIElCh	67, 26.112, 192.393
Yxy	37.0028, 0.2554, 0.3352
Android (android.graphics.Color)	4284592557 (0xFF61B1AD)
YUV	152.6240, 10.0454, -48.7822
Hunter-Lab	60.8299, -23.7206, -1.4687

Details

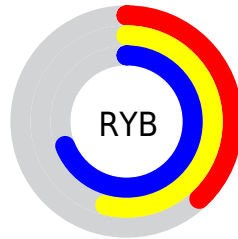
The Yxy color **37.0028, 0.2554, 0.3352** is a light color, and the websafe version is hex **339999**. A complement of this color would be **18.8337, 0.4251, 0.3235**, and the grayscale version is **31.6533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5547, 0.2662, 0.3348**, and **16.2271, 0.2378, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **36.1040, 0.2465, 0.3368**, and if you desaturate by 10%, it is **38.1216, 0.2659, 0.3337**.

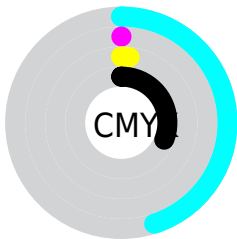
Distribution



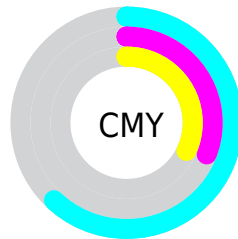
- Red (38%)
- Green (69%)
- Blue (68%)



- Red (38%)
- Yellow (54%)
- Blue (69%)



- Cyan (45%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)



- Cyan (62%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0028, 0.2554, 0.3352 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 37.0028, 0.2554, 0.3352 by changing the saturation by 10% instead.


 37.0028, 0.2554,
0.3352


 37.0028, 0.2554,
0.3352


333.3226, 0.2847,
0.3325


 25.2097, 0.2479,
0.3357


 70.5771, 0.2662,
0.3343

 16.2333, 0.2381,
0.3363


 93.1270, 0.2702,
0.3340

 9.6894, 0.2249,
0.3369


 120.0314, 0.2736,
0.3336

 5.1935, 0.2063,
0.3373

 151.6745, 0.2765,
0.3333

 2.3612, 0.1780,
0.3369

188.4408, 0.2790,
0.3331

 0.8058, 0.0637,
0.3579

230.7146, 0.2811,

 0.0000, 0.0000,

0.3329

0.0000

278.8805, 0.2830,
0.3327

■ 37.0028, 0.2554,
0.3352

■ 37.0028, 0.2554,
0.3352

■ 36.1040, 0.2465,
0.3368

■ 38.1216, 0.2659,
0.3337

■ 35.4064, 0.2395,
0.3384

■ 39.4694, 0.2779,
0.3322

■ 34.8948, 0.2343,
0.3401


■ 41.0597, 0.2911,
0.3309

■ 34.5505, 0.2310,
0.3417

■ 42.9040, 0.3051,
0.3296

■ 34.3500, 0.2294,
0.3433

■ 45.0129, 0.3198,
0.3285

 34.2794, 0.2289,
0.3441

 47.3963, 0.3349,
0.3274

 50.0638, 0.3500,
0.3265

 53.0243, 0.3651,
0.3257

 56.0412, 0.3787,
0.3250

Harmonies

Analogous

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



37.0028, 0.2853, 0.3724



37.0028, 0.2554, 0.3352



37.0028, 0.2407, 0.2989

Triad

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



37.0028, 0.2554, 0.3352



37.0028, 0.2977, 0.2713



37.0028, 0.3858, 0.3803

Complementary

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



37.0028, 0.2554, 0.3352



18.8337, 0.4251, 0.3235

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.



37.0028, 0.3905, 0.3512



37.0028, 0.2554, 0.3352



37.0028, 0.3378, 0.2906

Square

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



37.0028, 0.2554, 0.3352



37.0028, 0.2638, 0.2650



37.0028, 0.3726, 0.3191



37.0028, 0.3609, 0.3981

Rectangle

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



37.0028, 0.2554, 0.3352



37.0028, 0.2407, 0.2807



37.0028, 0.3726, 0.3191



37.0028, 0.3899, 0.3714

Sweetspot

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



37.0042, 0.2554, 0.3352



73.8316, 0.2924, 0.3307



35.0750, 0.3092, 0.4666



15.8602, 0.2895, 0.3310



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.



37.0042, 0.2554, 0.3352



64.6979, 0.2468, 0.3367



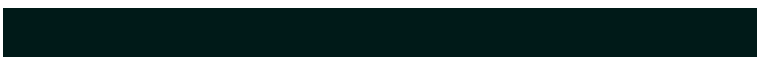
24.7638, 0.2424, 0.2682



9.6241, 0.2992, 0.3301



24.8377, 0.2289, 0.3439



0.7837, 0.2276, 0.3394

Inverse Universe

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



18.8337, 0.4251, 0.3235



28.1246, 0.4645, 0.3226



26.9840, 0.4058, 0.3819



8.5119, 0.3279, 0.3279



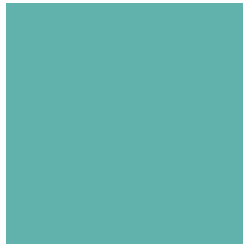
6.7891, 0.6335, 0.3263



0.2159, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 37.0028, 0.2554, 0.3352 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 37.0028, 0.2554, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

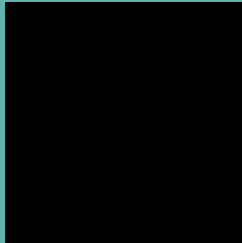
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0028, 0.2554, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 37.0028, 0.2554, 0.3352.

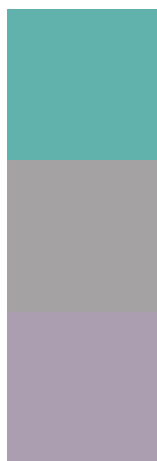


This preview shows how white text looks on a background with the Yxy color 37.0028, 0.2554, 0.3352.

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

37.0028, 0.2554, 0.3352

Protanopia

36.5203, 0.3138, 0.3261

Deuteranopia

36.3987, 0.3092, 0.3027



Tritanopia

37.1588, 0.2481, 0.3074

Trichromacy



Original Color

37.0028, 0.2554, 0.3352

Protanomaly

36.0029, 0.2888, 0.3289

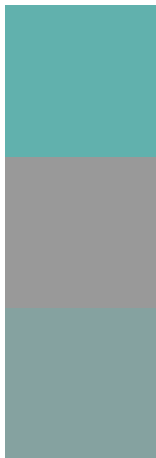
Deuteranomaly

36.0646, 0.2859, 0.3127

Tritanomaly

37.1789, 0.2508, 0.3179

Monochromacy



Original Color

37.0028, 0.2554, 0.3352

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.3653, 0.2880, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0028, 0.2554, 0.3352 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(97, 177, 173)` looks like.

```
.text, #text, p{  
    color:rgb(97, 177, 173)  
}
```

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(97, 177, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 177, 173) }
```

Border

The CSS property to change the border of an element to Yxy 37.0028, 0.2554, 0.3352 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(97, 177, 173) }
```

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

```
.border{ border-color:rgb(97, 177, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 177, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 177, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 177, 173);  
box-shadow:4px 4px 4px 4px rgb(97, 177,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0028, 0.2554, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 177, 173) }
```

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

```
.background{ background-color: rgb(97, 177,  
173) }
```

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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