

Converting Colors

$Y_{xy}(37.6975, 0.2503, 0.3421)$

Have a look what the booklet for
Yxy(37.6975, 0.2503, 0.3421)
contains.

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Color

Yxy(37.5524, 0.2504, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	55B4AC
RGB	85, 180, 172
RGB Percent	33%, 71%, 67%
CMY	0.6664, 0.2941, 0.3255
CMYK	0.53, 0.00, 0.04, 0.29
HSL	175°, 39%, 52%
HSV	175°, 53%, 71%
XYZ	27.5186, 37.5524, 44.8277
YIQ	150.6830, -54.0520, -22.6280

Conversions

Conversions Part 2

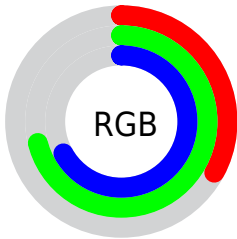
Format	Color
RYB	85, 135, 180
Decimal	5616812
CIELab	67.69, -29.96, -4.49
CIELCh	68, 30.290, 188.530
Yxy	37.5524, 0.2504, 0.3417
Android (android.graphics.Color)	4283806892 (0xFF55B4AC)
YUV	150.6830, 10.5093, -57.6040
Hunter-Lab	61.2800, -27.0821, -0.4759

Details

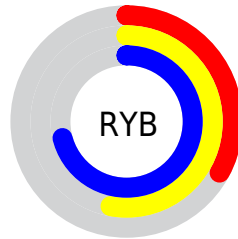
The Yxy color **37.5524, 0.2504, 0.3417** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.0027, 0.4501, 0.3181**, and the grayscale version is **30.7848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2877, 0.2622, 0.3397**, and **16.6364, 0.2319, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **36.7571, 0.2431, 0.3445**, and if you desaturate by 10%, it is **38.5656, 0.2594, 0.3390**.

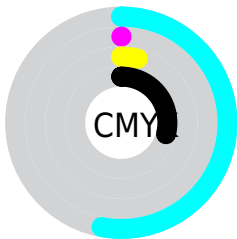
Distribution



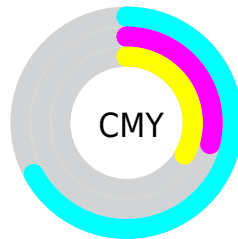
- Red (33%)
- Green (71%)
- Blue (67%)



- Red (33%)
- Yellow (53%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)





- Cyan (67%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5524, 0.2504, 0.3417 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 37.5524, 0.2504, 0.3417 by changing the saturation by 10% instead.


 37.5524, 0.2504,
0.3417

 37.5524, 0.2504,
0.3417


335.6960, 0.2822,
0.3356

 25.6355, 0.2423,
0.3431


 71.4216, 0.2621,
0.3396

 16.5511, 0.2317,
0.3448


 94.1426, 0.2665,
0.3387

 9.9150, 0.2176,
0.3469


 121.2338, 0.2701,
0.3380

 5.3426, 0.1976,
0.3496

 153.0795, 0.2733,
0.3374

 2.4497, 0.1675,
0.3525

190.0642, 0.2760,
0.3369

 0.8513, 0.0354,
0.3874

232.5723, 0.2783,

 0.0000, 0.0000,

0.3364

0.0000

280.9881, 0.2804,
0.3360

■ 37.5524, 0.2504,
0.3417

■ 37.5524, 0.2504,
0.3417

■ 36.7571, 0.2431,
0.3445

■ 38.5656, 0.2594,
0.3390

■ 36.1588, 0.2377,
0.3473

■ 39.8071, 0.2700,
0.3364

■ 35.7398, 0.2342,
0.3502

■ 41.2920, 0.2820,
0.3339

■ 35.4776, 0.2325,
0.3530

■ 43.0327, 0.2950,
0.3316

■ 35.3512, 0.2320,
0.3550

■ 45.0409, 0.3088,
0.3295

■ 47.3274, 0.3232,
0.3276

■ 49.9025, 0.3377,
0.3259

■ 52.7760, 0.3524,
0.3244

■ 55.9572, 0.3668,
0.3231

Harmonies

Analogous

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



37.5524, 0.2863, 0.3844



37.5524, 0.2504, 0.3417



37.5524, 0.2314, 0.2986

Triad

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



37.5524, 0.2504, 0.3417



37.5524, 0.2895, 0.2614



37.5524, 0.3991, 0.3834

Complementary

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



37.5524, 0.2504, 0.3417



17.0027, 0.4501, 0.3181

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.



37.5524, 0.4015, 0.3490



37.5524, 0.2504, 0.3417



37.5524, 0.3355, 0.2816

Square

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



37.5524, 0.2504, 0.3417



37.5524, 0.2527, 0.2562



37.5524, 0.3776, 0.3127



37.5524, 0.3725, 0.4070

Rectangle

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



37.5524, 0.2504, 0.3417



37.5524, 0.2298, 0.2766



37.5524, 0.3776, 0.3127



37.5524, 0.4028, 0.3727

Sweetspot

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



37.5539, 0.2504, 0.3417



76.8612, 0.2903, 0.3324



35.7073, 0.3116, 0.4915



16.4738, 0.2877, 0.3329



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.



37.5539, 0.2504, 0.3417



66.4867, 0.2423, 0.3449



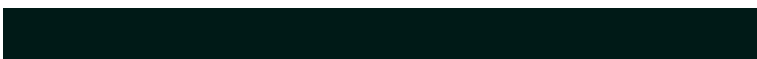
24.5836, 0.2329, 0.2643



9.6190, 0.2997, 0.3309



24.6793, 0.2319, 0.3547



0.7801, 0.2297, 0.3468

Inverse Universe

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



17.0027, 0.4501, 0.3181



25.2841, 0.4991, 0.3172



24.5361, 0.4306, 0.3835



8.5165, 0.3274, 0.3271



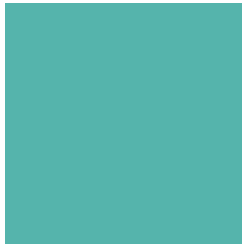
6.8011, 0.6289, 0.3238



0.2178, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 37.5524, 0.2504, 0.3417 looks on a white background.

Color Contrast Check

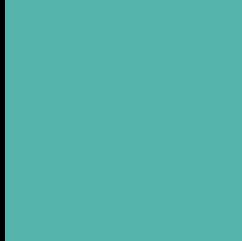
Large Text (above 18pt) WCAG AA × Fail

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 37.5524, 0.2504, 0.3417 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 37.5524, 0.2504, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 37.5524, 0.2504, 0.3417.

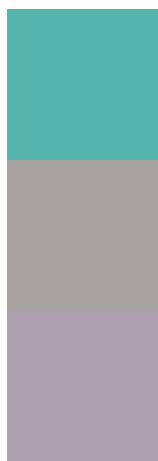


This preview shows how white text looks on a background with the Yxy color 37.5524, 0.2504, 0.3417.

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

37.5524, 0.2504, 0.3417

Protanopia

37.0185, 0.3174, 0.3304

Deuteranopia

36.9295, 0.3119, 0.3056



Tritanopia

37.4812, 0.2422, 0.3073

Trichromacy



Original Color

37.5524, 0.2504, 0.3417

Protanomaly

36.4475, 0.2872, 0.3335

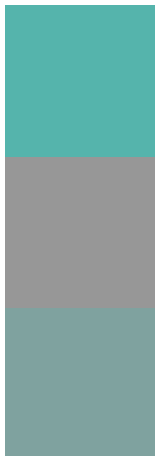
Deuteranomaly

36.4834, 0.2843, 0.3171

Tritanomaly

37.4253, 0.2449, 0.3194

Monochromacy



Original Color

37.5524, 0.2504, 0.3417

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.8559, 0.2837, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5524, 0.2504, 0.3417 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(85, 180, 172)` looks like.

```
.text, #text, p{  
    color:rgb(85, 180, 172)  
}
```

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(85, 180, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 180, 172) }
```

Border

The CSS property to change the border of an element to Yxy 37.5524, 0.2504, 0.3417 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(85, 180, 172) }
```

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

```
.border{ border-color:rgb(85, 180, 172) }
```

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

Here you see how a box with a 4 pixel rgb(85, 180, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 180, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 180, 172);  
box-shadow:4px 4px 4px 4px rgb(85, 180,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5524, 0.2504, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 180, 172) }
```

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

```
.background{ background-color: rgb(85, 180,  
172) }
```

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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