

Converting Colors

$Yxy(35.3674, 0.2457, 0.3459)$

Have a look what the booklet for
Yxy(35.3674, 0.2457, 0.3459)
contains.

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Color

Yxy(35.5370, 0.2463, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	47B1A6
RGB	71, 177, 166
RGB Percent	28%, 69%, 65%
CMY	0.7211, 0.3059, 0.3490
CMYK	0.60, 0.00, 0.06, 0.31
HSL	174°, 43%, 49%
HSV	174°, 60%, 69%
XYZ	25.2096, 35.5370, 41.6065
YIQ	144.0520, -59.6450, -25.8930

Conversions

Conversions Part 2

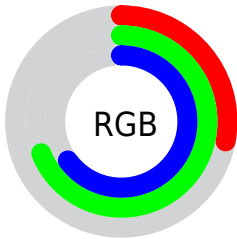
Format	Color
RYB	71, 127, 177
Decimal	4698534
CIELab	66.16, -32.91, -3.47
CIElCh	66, 33.088, 186.018
Yxy	35.5370, 0.2463, 0.3472
Android (android.graphics.Color)	4282888614 (0xFF47B1A6)
YUV	144.0520, 10.8204, -64.0666
Hunter-Lab	59.6129, -28.8371, 0.3479

Details

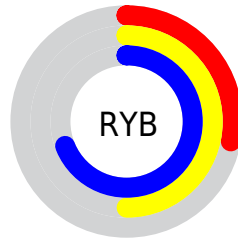
The Yxy color **35.5370, 0.2463, 0.3472** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4783, 0.4761, 0.3145**, and the grayscale version is **27.8980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2441, 0.2589, 0.3438**, and **15.6302, 0.2314, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **34.8957, 0.2405, 0.3507**, and if you desaturate by 10%, it is **36.3770, 0.2540, 0.3437**.

Distribution



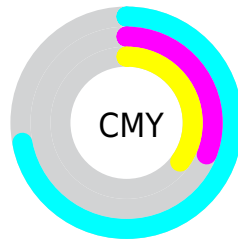
- Red (28%)
- Green (69%)
- Blue (65%)



- Red (28%)
- Yellow (50%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)





- Cyan (72%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5370, 0.2463, 0.3472 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 35.5370, 0.2463, 0.3472 by changing the saturation by 10% instead.

 35.5370, 0.2463,
0.3472


 35.5370, 0.2463,
0.3472


326.9323, 0.2805,
0.3382

 24.0768, 0.2375,
0.3494


 68.3168, 0.2590,
0.3440

 15.3906, 0.2259,
0.3522


 90.4053, 0.2637,
0.3427


 9.0940, 0.2103,
0.3557


 116.8053, 0.2676,
0.3417

 4.8025, 0.1882,
0.3605

 147.9012, 0.2710,
0.3408

 2.1319, 0.1546,
0.3666

 184.0775, 0.2738,
0.3400

 0.6825, 0.0000,
0.4091

225.7185, 0.2764,

 0.0000, 0.0000,

0.3393

0.0000

273.2087, 0.2786,
0.3387

■ 35.5370, 0.2463,
0.3472

■ 35.5370, 0.2463,
0.3472

■ 34.8957, 0.2405,
0.3507

■ 36.3770, 0.2540,
0.3437

■ 34.4314, 0.2365,
0.3543

■ 37.4270, 0.2633,
0.3404

■ 34.1252, 0.2344,
0.3578

■ 38.7021, 0.2742,
0.3372

■ 33.9343, 0.2337,
0.3613

■ 40.2150, 0.2862,
0.3343

■ 33.9311, 0.2337,
0.3614

■ 41.9774, 0.2993,
0.3315

■ 44.0003, 0.3130,
0.3290

■ 46.2938, 0.3271,
0.3267

■ 48.8679, 0.3414,
0.3246

■ 51.7316, 0.3556,
0.3228

Harmonies

Analogous

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



35.5370, 0.2869, 0.3946



35.5370, 0.2463, 0.3472



35.5370, 0.2240, 0.2983

Triad

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



35.5370, 0.2463, 0.3472



35.5370, 0.2828, 0.2534



35.5370, 0.4099, 0.3857

Complementary

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



35.5370, 0.2463, 0.3472



14.4783, 0.4761, 0.3145

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.



35.5370, 0.4104, 0.3470



35.5370, 0.2463, 0.3472



35.5370, 0.3334, 0.2744

Square

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



35.5370, 0.2463, 0.3472



35.5370, 0.2437, 0.2490



35.5370, 0.3816, 0.3075



35.5370, 0.3820, 0.4140

Rectangle

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



35.5370, 0.2463, 0.3472



35.5370, 0.2210, 0.2731



35.5370, 0.3816, 0.3075



35.5370, 0.4135, 0.3734

Sweetspot

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



35.5384, 0.2463, 0.3472



72.4790, 0.2882, 0.3338



33.7580, 0.3118, 0.5142



15.5262, 0.2846, 0.3346



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.



35.5384, 0.2463, 0.3472



62.1853, 0.2389, 0.3519



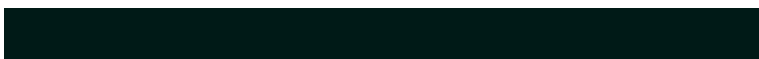
22.2410, 0.2243, 0.2571



9.6160, 0.2999, 0.3314



24.5919, 0.2336, 0.3610



0.7781, 0.2309, 0.3512

Inverse Universe

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



14.4783, 0.4761, 0.3145



21.0369, 0.5355, 0.3145



21.3253, 0.4540, 0.3868



8.5191, 0.3271, 0.3267



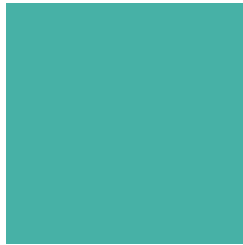
6.8094, 0.6258, 0.3221



0.2189, 0.5763, 0.2948

Previews

White Background



This preview shows how the Yxy color 35.5370, 0.2463, 0.3472 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 35.5370, 0.2463, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

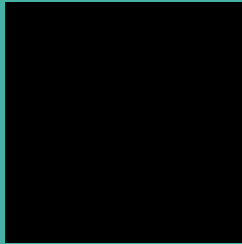
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

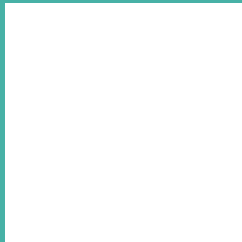
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5370, 0.2463, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 35.5370, 0.2463, 0.3472.

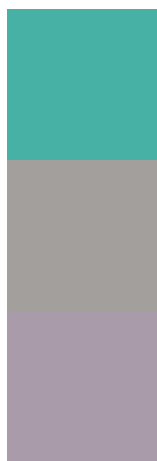


This preview shows how white text looks on a background with the Yxy color 35.5370, 0.2463, 0.3472.

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

35.5370, 0.2463, 0.3472

Protanopia

34.9831, 0.3193, 0.3334

Deuteranopia

34.9290, 0.3128, 0.3065



Tritanopia

35.6084, 0.2370, 0.3066

Trichromacy



Original Color

35.5370, 0.2463, 0.3472

Protanomaly

34.5563, 0.2858, 0.3383

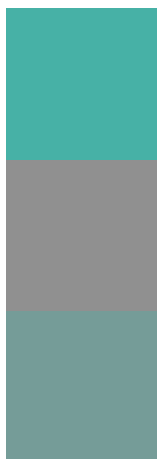
Deuteranomaly

34.1273, 0.2819, 0.3197

Tritanomaly

35.5330, 0.2403, 0.3207

Monochromacy



Original Color

35.5370, 0.2463, 0.3472

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.8258, 0.2801, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5370, 0.2463, 0.3472 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(71, 177, 166)` looks like.

```
.text, #text, p{  
    color:rgb(71, 177, 166)  
}
```

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(71, 177, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 177, 166) }
```

Border

The CSS property to change the border of an element to Yxy 35.5370, 0.2463, 0.3472 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(71, 177, 166) }
```

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

```
.border{ border-color:rgb(71, 177, 166) }
```

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

Here you see how a box with a 4 pixel rgb(71, 177, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 177, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 177, 166);  
box-shadow:4px 4px 4px 4px rgb(71, 177,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5370, 0.2463, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 177, 166) }
```

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

```
.background{ background-color: rgb(71, 177,  
166) }
```

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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