

Converting Colors

$Y_{xy}(37.2221, 0.2446, 0.3452)$

Have a look what the booklet for
Yxy(37.2221, 0.2446, 0.3452)
contains.

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Color

Yxy(37.2901, 0.2444, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	46B5AB
RGB	70, 181, 171
RGB Percent	27%, 71%, 67%
CMY	0.7254, 0.2902, 0.3294
CMYK	0.61, 0.00, 0.06, 0.29
HSL	175°, 44%, 49%
HSV	175°, 61%, 71%
XYZ	26.4012, 37.2901, 44.3333
YIQ	146.6710, -62.9460, -26.6420

Conversions

Conversions Part 2

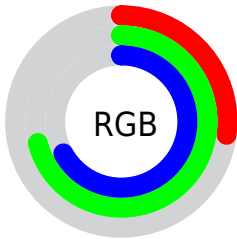
Format	Color
RYB	70, 128, 181
Decimal	4634027
CIELab	67.49, -33.65, -4.28
CIELCh	67, 33.924, 187.249
Yxy	37.2901, 0.2444, 0.3452
Android (android.graphics.Color)	4282824107 (0xFF46B5AB)
YUV	146.6710, 11.9942, -67.2405
Hunter-Lab	61.0656, -29.6918, -0.2983

Details

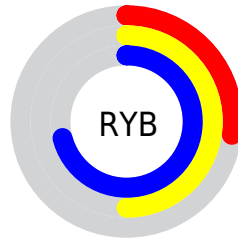
The Yxy color **37.2901, 0.2444, 0.3452** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **14.7869, 0.4856, 0.3164**, and the grayscale version is **29.0069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8052, 0.2573, 0.3423**, and **16.7703, 0.2305, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **36.6548, 0.2388, 0.3482**, and if you desaturate by 10%, it is **38.1319, 0.2519, 0.3422**.

Distribution



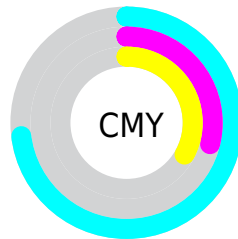
- Red (27%)
- Green (71%)
- Blue (67%)



- Red (27%)
- Yellow (50%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)





- Cyan (73%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2901, 0.2444, 0.3452 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 37.2901, 0.2444, 0.3452 by changing the saturation by 10% instead.


 37.2901, 0.2444,
0.3452


 37.2901, 0.2444,
0.3452


334.5648, 0.2793,
0.3374

 25.4322, 0.2355,
0.3470


 71.0187, 0.2572,
0.3424

 16.3993, 0.2240,
0.3493


 93.6582, 0.2620,
0.3414


 9.8072, 0.2085,
0.3522


 120.6604, 0.2660,
0.3405

 5.2713, 0.1868,
0.3557

 152.4096, 0.2695,
0.3397

 2.4073, 0.1543,
0.3600

 189.2903, 0.2724,
0.3390

 0.8296, 0.0000,
0.4042

231.6867, 0.2750,

 0.0000, 0.0000,

0.3384

0.0000

279.9835, 0.2773,
0.3378

■ 37.2901, 0.2444,
0.3452

■ 37.2901, 0.2444,
0.3452

■ 36.6548, 0.2388,
0.3482

■ 38.1319, 0.2519,
0.3422

■ 36.2027, 0.2350,
0.3513

■ 39.1925, 0.2611,
0.3393

■ 35.9131, 0.2331,
0.3543

■ 40.4880, 0.2719,
0.3365

■ 35.7536, 0.2325,
0.3570

■ 42.0320, 0.2839,
0.3339

■ 43.8371, 0.2970,
0.3315

■ 45.9149, 0.3109,
0.3293

■ 48.2763, 0.3252,
0.3273

■ 50.9317, 0.3397,
0.3255

■ 53.8910, 0.3542,
0.3239

Harmonies

Analogous

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



37.2901, 0.2847, 0.3935



37.2901, 0.2444, 0.3452



37.2901, 0.2228, 0.2962

Triad

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



37.2901, 0.2444, 0.3452



37.2901, 0.2845, 0.2534



37.2901, 0.4101, 0.3876

Complementary

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



37.2901, 0.2444, 0.3452



14.7869, 0.4856, 0.3164

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.



37.2901, 0.4119, 0.3488



37.2901, 0.2444, 0.3452



37.2901, 0.3358, 0.2751

Square

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



37.2901, 0.2444, 0.3452



37.2901, 0.2444, 0.2482



37.2901, 0.3839, 0.3089



37.2901, 0.3810, 0.4155

Rectangle

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



37.2901, 0.2444, 0.3452



37.2901, 0.2204, 0.2713



37.2901, 0.3839, 0.3089



37.2901, 0.4141, 0.3753

Sweetspot

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



37.2915, 0.2444, 0.3452



76.2009, 0.2878, 0.3332



35.2455, 0.3104, 0.5201



16.2792, 0.2841, 0.3339



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.



37.2915, 0.2444, 0.3452



65.2919, 0.2371, 0.3494



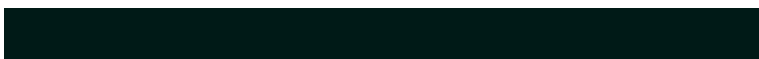
22.4200, 0.2216, 0.2514



9.6181, 0.2997, 0.3310



24.6527, 0.2324, 0.3566



0.7795, 0.2300, 0.3481

Inverse Universe

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



14.7869, 0.4856, 0.3164



21.4620, 0.5481, 0.3169



22.3949, 0.4572, 0.3904



8.5173, 0.3273, 0.3270



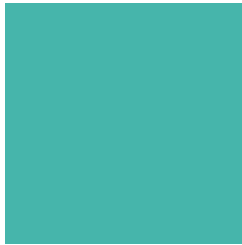
6.8034, 0.6280, 0.3233



0.2181, 0.5837, 0.2989

Previews

White Background



This preview shows how the Yxy color 37.2901, 0.2444, 0.3452 looks on a white background.

Color Contrast Check

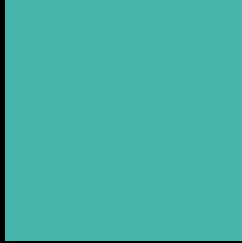
Large Text (above 18pt) WCAG AA × Fail

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 37.2901, 0.2444, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

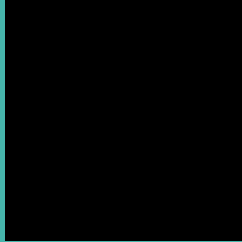
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

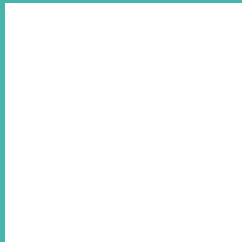
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2901, 0.2444, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 37.2901, 0.2444, 0.3452.

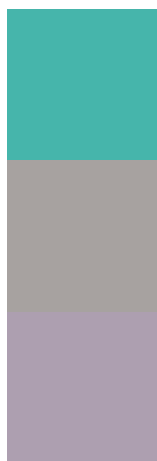


This preview shows how white text looks on a background with the Yxy color 37.2901, 0.2444, 0.3452.

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

37.2901, 0.2444, 0.3452

Protanopia

36.5942, 0.3193, 0.3319

Deuteranopia

36.8151, 0.3110, 0.3055



Tritanopia

37.3088, 0.2358, 0.3070

Trichromacy



Original Color

37.2901, 0.2444, 0.3452



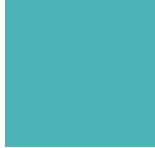
Protanomaly

35.9618, 0.2846, 0.3366



Deuteranomaly

35.9277, 0.2801, 0.3184



Tritanomaly

37.2374, 0.2391, 0.3208

Monochromacy



Original Color

37.2901, 0.2444, 0.3452



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.1185, 0.2790, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2901, 0.2444, 0.3452 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(70, 181, 171)` looks like.

```
.text, #text, p{  
    color:rgb(70, 181, 171)  
}
```

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(70, 181, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 181, 171) }
```

Border

The CSS property to change the border of an element to Yxy 37.2901, 0.2444, 0.3452 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(70, 181, 171) }
```

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

```
.border{ border-color:rgb(70, 181, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 181, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 181, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 181, 171);  
box-shadow:4px 4px 4px 4px rgb(70, 181,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2901, 0.2444, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 181, 171) }
```

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

```
.background{ background-color: rgb(70, 181,  
171) }
```

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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