

Converting Colors

$Yxy(37.3743, 0.2477, 0.3496)$

Have a look what the booklet for
Yxy(37.3743, 0.2477, 0.3496)
contains.

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Color

Yxy(37.3307, 0.2478, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	4AB5A8
RGB	74, 181, 168
RGB Percent	29%, 71%, 66%
CMY	0.7098, 0.2902, 0.3412
CMYK	0.59, 0.00, 0.07, 0.29
HSL	173°, 42%, 50%
HSV	173°, 59%, 71%
XYZ	26.4150, 37.3307, 42.8525
YIQ	147.5250, -59.5990, -26.7270

Conversions

Conversions Part 2

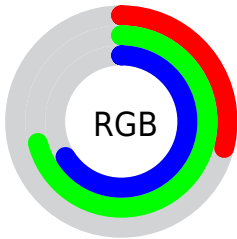
Format	Color
RYB	74, 131, 181
Decimal	4896168
CIELab	67.52, -33.73, -2.56
CIELCh	68, 33.823, 184.339
Yxy	37.3307, 0.2478, 0.3502
Android (android.graphics.Color)	4283086248 (0xFF4AB5A8)
YUV	147.5250, 10.0942, -64.4814
Hunter-Lab	61.0989, -29.7516, 1.1854

Details

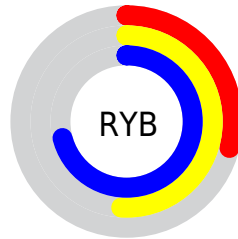
The Yxy color **37.3307, 0.2478, 0.3502** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.4116, 0.4701, 0.3119**, and the grayscale version is **29.3835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8826, 0.2601, 0.3460**, and **16.6993, 0.2326, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **36.6327, 0.2420, 0.3544**, and if you desaturate by 10%, it is **38.2397, 0.2555, 0.3461**.

Distribution



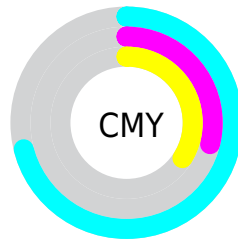
- Red (29%)
- Green (71%)
- Blue (66%)



- Red (29%)
- Yellow (51%)
- Blue (71%)



- Cyan (59%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)



- Cyan (71%)
- Magenta (29%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3307, 0.2478, 0.3502 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 37.3307, 0.2478, 0.3502 by changing the saturation by 10% instead.


 37.3307, 0.2478,
0.3502


 37.3307, 0.2478,
0.3502


334.7401, 0.2811,
0.3396

 25.4636, 0.2393,
0.3528


 71.0811, 0.2601,
0.3464


 16.4228, 0.2282,
0.3562


 93.7333, 0.2646,
0.3449


 9.8238, 0.2133,
0.3605


 120.7492, 0.2684,
0.3437

 5.2823, 0.1922,
0.3665

 152.5134, 0.2717,
0.3426

 2.4138, 0.1605,
0.3748

 189.4102, 0.2745,
0.3417

 0.8330, 0.0000,
0.4329

231.8239, 0.2770,

 0.0000, 0.0000,

0.3409

0.0000

280.1391, 0.2791,
0.3402

■ 37.3307, 0.2478,
0.3502

■ 37.3307, 0.2478,
0.3502

■ 36.6327, 0.2420,
0.3544

■ 38.2397, 0.2555,
0.3461

■ 36.1230, 0.2380,
0.3586

■ 39.3714, 0.2648,
0.3422

■ 35.7816, 0.2360,
0.3628

■ 40.7417, 0.2756,
0.3385

■ 35.5691, 0.2354,
0.3669

■ 42.3641, 0.2875,
0.3349

■ 35.5519, 0.2354,
0.3673

■ 44.2508, 0.3004,
0.3317

■ 46.4133, 0.3139,
0.3288

■ 48.8625, 0.3278,
0.3261

■ 51.6085, 0.3419,
0.3237

■ 54.6612, 0.3558,
0.3216

Harmonies

Analogous

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



37.3307, 0.2895, 0.3971



37.3307, 0.2478, 0.3502



37.3307, 0.2242, 0.3005

Triad

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



37.3307, 0.2478, 0.3502



37.3307, 0.2800, 0.2523



37.3307, 0.4113, 0.3839

Complementary

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



37.3307, 0.2478, 0.3502



15.4116, 0.4701, 0.3119

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.



37.3307, 0.4101, 0.3448



37.3307, 0.2478, 0.3502



37.3307, 0.3306, 0.2726

Square

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



37.3307, 0.2478, 0.3502



37.3307, 0.2416, 0.2489



37.3307, 0.3796, 0.3053



37.3307, 0.3845, 0.4133

Rectangle

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



37.3307, 0.2478, 0.3502



37.3307, 0.2204, 0.2746



37.3307, 0.3796, 0.3053



37.3307, 0.4143, 0.3714

Sweetspot

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



37.3321, 0.2478, 0.3502



76.1260, 0.2885, 0.3347



35.6319, 0.3132, 0.5116



16.2605, 0.2850, 0.3356



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.



37.3321, 0.2478, 0.3502



65.2903, 0.2406, 0.3557



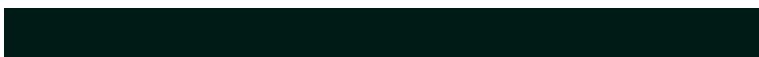
24.0709, 0.2258, 0.2612



9.6134, 0.3002, 0.3318



24.5145, 0.2352, 0.3668



0.7763, 0.2320, 0.3551

Inverse Universe

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



15.4116, 0.4701, 0.3119



22.4420, 0.5271, 0.3115



22.1828, 0.4538, 0.3839



8.5215, 0.3269, 0.3263



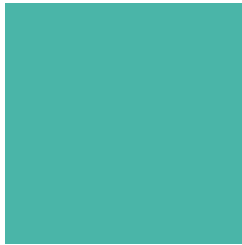
6.8180, 0.6225, 0.3203



0.2199, 0.5669, 0.2897

Previews

White Background



This preview shows how the Yxy color 37.3307, 0.2478, 0.3502 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 37.3307, 0.2478, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

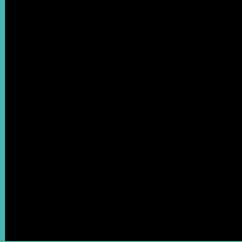
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3307, 0.2478, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 37.3307, 0.2478, 0.3502.

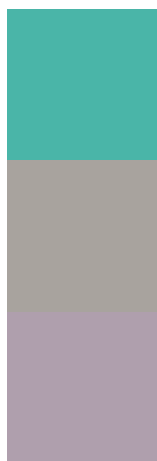


This preview shows how white text looks on a background with the Yxy color 37.3307, 0.2478, 0.3502.

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

37.3307, 0.2478, 0.3502

Protanopia

36.9878, 0.3219, 0.3362

Deuteranopia

36.9274, 0.3155, 0.3097



Tritanopia

37.0891, 0.2373, 0.3055

Trichromacy



Original Color

37.3307, 0.2478, 0.3502



Protanomaly

36.4264, 0.2879, 0.3412



Deuteranomaly

35.9810, 0.2840, 0.3229



Tritanomaly

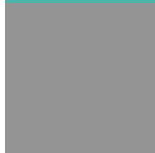
36.9652, 0.2411, 0.3208

Monochromacy



Original Color

37.3307, 0.2478, 0.3502



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.5731, 0.2816, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3307, 0.2478, 0.3502 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(74, 181, 168)` looks like.

```
.text, #text, p{  
    color:rgb(74, 181, 168)  
}
```

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(74, 181, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 181, 168) }
```

Border

The CSS property to change the border of an element to Yxy 37.3307, 0.2478, 0.3502 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(74, 181, 168) }
```

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

```
.border{ border-color:rgb(74, 181, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 181, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(74, 181, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(74, 181, 168); box-shadow:4px 4px 4px 4px rgb(74, 181, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3307, 0.2478, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 181, 168) }
```

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

```
.background{ background-color: rgb(74, 181,  
168) }
```

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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