

Converting Colors

$Y_{xy}(31.5349, 0.2472, 0.3896)$

Have a look what the booklet for
Yxy(31.5349, 0.2472, 0.3896)
contains.

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Color

Yxy(31.3472, 0.2468, 0.3885)

Conversions

Conversions Part 1

Format	Color
Hex	23AB8B
RGB	35, 171, 139
RGB Percent	14%, 67%, 55%
CMY	0.8631, 0.3294, 0.4549
CMYK	0.80, 0.00, 0.19, 0.33
HSL	166°, 66%, 40%
HSV	166°, 80%, 67%
XYZ	19.9137, 31.3472, 29.4268
YIQ	126.6880, -70.7840, -38.7840

Conversions

Conversions Part 2

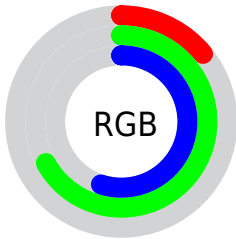
Format	Color
RYB	35, 112, 171
Decimal	2337675
CIELab	62.80, -42.69, 6.55
CIELCh	63, 43.187, 171.271
Yxy	31.3472, 0.2468, 0.3885
Android (android.graphics.Color)	4280527755 (0xFF23AB8B)
YUV	126.6880, 6.0698, -80.4104
Hunter-Lab	55.9886, -34.4920, 8.0300

Details

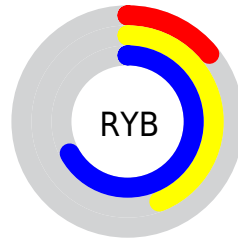
The Yxy color **31.3472, 0.2468, 0.3885** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.2598, 0.5263, 0.2934**, and the grayscale version is **21.0995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6870, 0.2605, 0.3764**, and **13.6781, 0.2464, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **31.0040, 0.2457, 0.3971**, and if you desaturate by 10%, it is **31.8428, 0.2498, 0.3799**.

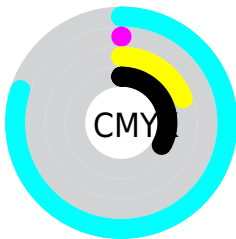
Distribution



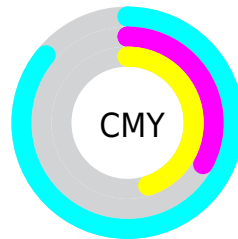
- Red (14%)
- Green (67%)
- Blue (55%)



- Red (14%)
- Yellow (44%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (33%)




- Cyan (86%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3472, 0.2468, 0.3885 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 31.3472, 0.2468, 0.3885 by changing the saturation by 10% instead.

 31.3472, 0.2468,
0.3885


 31.3472, 0.2468,
0.3885


308.1347, 0.2822,
0.3559


 20.8634, 0.2371,
0.3977


 61.7863, 0.2603,
0.3759


 13.0242, 0.2242,
0.4102


 82.5103, 0.2651,
0.3714


 7.4452, 0.2061,
0.4283


 107.4166, 0.2692,
0.3677

 3.7420, 0.1791,
0.4563

 136.8895, 0.2726,
0.3646

 1.5303, 0.1042,
0.5232

 171.3133, 0.2755,
0.3619

 0.3099, 0.0000,
1.0000

211.0725, 0.2780,

 0.0000, 0.0000,

0.3596

0.0000

256.5515, 0.2802,
0.3577

■ 31.3472, 0.2468,
0.3885

■ 31.3472, 0.2468,
0.3885

■ 31.0040, 0.2457,
0.3971

■ 31.8428, 0.2498,
0.3799

■ 30.7707, 0.2461,
0.4057

■ 32.5058, 0.2547,
0.3714

■ 30.7616, 0.2461,
0.4060

■ 33.3536, 0.2615,
0.3632

■ 34.4002, 0.2697,
0.3553

■ 35.6583, 0.2793,
0.3478

■ 37.1395, 0.2899,
0.3409

■ 38.8548, 0.3013,
0.3346

■ 40.8140, 0.3132,
0.3288

■ 43.0268, 0.3253,
0.3236

Harmonies

Analogous

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



31.3472, 0.3082, 0.4435



31.3472, 0.2468, 0.3885



31.3472, 0.2059, 0.3163

Triad

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



31.3472, 0.2468, 0.3885



31.3472, 0.2440, 0.2242



31.3472, 0.4497, 0.3761

Complementary

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



31.3472, 0.2468, 0.3885



10.2598, 0.5263, 0.2934

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.



31.3472, 0.4313, 0.3243



31.3472, 0.2468, 0.3885



31.3472, 0.3050, 0.2416

Square

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



31.3472, 0.2468, 0.3885



31.3472, 0.2053, 0.2289



31.3472, 0.3756, 0.2770



31.3472, 0.4269, 0.4241

Rectangle

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



31.3472, 0.2468, 0.3885



31.3472, 0.1937, 0.2754



31.3472, 0.3756, 0.2770



31.3472, 0.4484, 0.3588

Sweetspot

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



31.3484, 0.2468, 0.3885



65.1741, 0.2847, 0.3442



30.5122, 0.3184, 0.5610



14.3340, 0.2811, 0.3466



86.8899, 0.3127, 0.3290



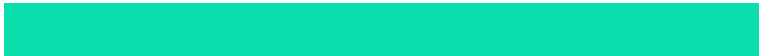
16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3484, 0.2468, 0.3885



55.1896, 0.2461, 0.4040



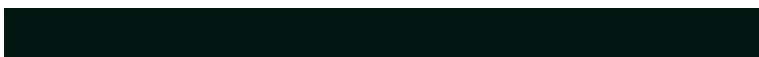
21.1828, 0.2126, 0.2651



9.0394, 0.3017, 0.3344



23.1960, 0.2459, 0.4052



0.6530, 0.2387, 0.3793

Inverse Universe

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



10.2598, 0.5263, 0.2934



16.0139, 0.5890, 0.3046



13.0277, 0.5440, 0.3687



8.0451, 0.3251, 0.3237



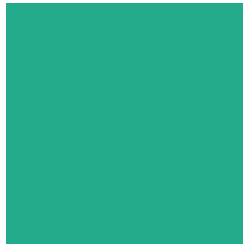
6.6504, 0.5938, 0.3045



0.1934, 0.5108, 0.2588

Previews

White Background



This preview shows how the Yxy color 31.3472, 0.2468, 0.3885 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 31.3472, 0.2468, 0.3885 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 31.3472, 0.2468, 0.3885

Background



This preview shows how black text looks on a background with the Yxy color 31.3472, 0.2468, 0.3885.



This preview shows how white text looks on a background with the Yxy color 31.3472, 0.2468, 0.3885.

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

31.3472, 0.2468, 0.3885

Protanopia

30.7421, 0.3437, 0.3631

Deuteranopia

30.9269, 0.3371, 0.3306



Tritanopia

31.4878, 0.2304, 0.3069

Trichromacy



Original Color

31.3472, 0.2468, 0.3885



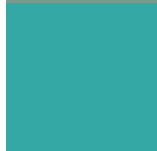
Protanomaly

29.6971, 0.2940, 0.3742



Deuteranomaly

29.4189, 0.2900, 0.3493



Tritanomaly

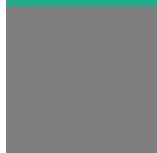
31.3894, 0.2361, 0.3358

Monochromacy



Original Color

31.3472, 0.2468, 0.3885



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.6633, 0.2756, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3472, 0.2468, 0.3885 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(35, 171, 139)` looks like.

```
.text, #text, p{  
  color:rgb(35, 171, 139)  
}
```

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(35, 171, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 171, 139) }
```

Border

The CSS property to change the border of an element to Yxy 31.3472, 0.2468, 0.3885 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(35, 171, 139) }
```

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

```
.border{ border-color:rgb(35, 171, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 171, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 171, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 171, 139);  
box-shadow:4px 4px 4px 4px rgb(35, 171,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3472, 0.2468, 0.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 171, 139) }
```

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

```
.background{ background-color: rgb(35, 171,  
139) }
```

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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