

Converting Colors

$Y_{xy}(31.8288, 0.2417, 0.3187)$

Have a look what the booklet for
Yxy(31.8288, 0.2417, 0.3187)
contains.

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Color

Yxy(31.8288, 0.2417, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	4DA6AC
RGB	77, 166, 172
RGB Percent	30%, 65%, 67%
CMY	0.6983, 0.3490, 0.3255
CMYK	0.55, 0.03, 0.00, 0.33
HSL	184°, 38%, 49%
HSV	184°, 55%, 67%
XYZ	24.1388, 31.8288, 43.9032
YIQ	140.0730, -54.9700, -17.0020

Conversions

Conversions Part 2

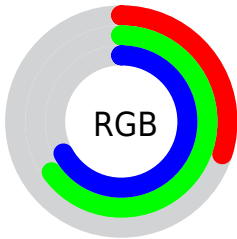
Format	Color
RYB	77, 123, 172
Decimal	5088940
CIELab	63.20, -24.75, -11.20
CIElCh	63, 27.164, 204.353
Yxy	31.8288, 0.2417, 0.3187
Android (android.graphics.Color)	4283279020 (0xFF4DA6AC)
YUV	140.0730, 15.7400, -55.3150
Hunter-Lab	56.4170, -22.3562, -6.6470

Details

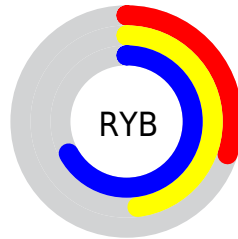
The Yxy color **31.8288, 0.2417, 0.3187** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4801, 0.4683, 0.3381**, and the grayscale version is **26.2025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3273, 0.2555, 0.3213**, and **13.3907, 0.2205, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **30.8148, 0.2336, 0.3166**, and if you desaturate by 10%, it is **33.0376, 0.2516, 0.3208**.

Distribution



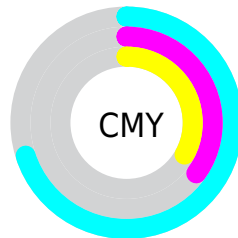
- Red (30%)
- Green (65%)
- Blue (67%)



- Red (30%)
- Yellow (48%)
- Blue (67%)



- Cyan (55%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)





- Cyan (70%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8288, 0.2417, 0.3187 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 31.8288, 0.2417, 0.3187 by changing the saturation by 10% instead.


 31.8288, 0.2417,
0.3187


 31.8288, 0.2417,
0.3187


310.3386, 0.2786,
0.3251

 21.2308, 0.2321,
0.3166


 62.5426, 0.2554,
0.3213


 13.2928, 0.2195,
0.3137


 83.4272, 0.2605,
0.3222


 7.6305, 0.2025,
0.3092


 108.5094, 0.2647,
0.3230

 3.8594, 0.1782,
0.3016

 138.1736, 0.2683,
0.3235

 1.5952, 0.1413,
0.2872

 172.8042, 0.2714,
0.3240

 0.3544, 0.0000,
0.2304

212.7857, 0.2741,

 0.0000, 0.0000,

0.3244

0.0000

258.5024, 0.2765,
0.3248

■ 31.8288, 0.2417,
0.3187

■ 31.8288, 0.2417,
0.3187

■ 30.8148, 0.2336,
0.3166

■ 33.0376, 0.2516,
0.3208

■ 29.9768, 0.2273,
0.3145

■ 34.4513, 0.2631,
0.3228

■ 29.2982, 0.2229,
0.3124

■ 36.0833, 0.2759,
0.3247

■ 28.7572, 0.2202,
0.3103

■ 37.9452, 0.2899,
0.3265

■ 28.5252, 0.2193,
0.3093

■ 40.0474, 0.3047,
0.3282

■ 42.3998, 0.3200,
0.3297

■ 45.0120, 0.3356,
0.3311

■ 47.8926, 0.3511,
0.3323

■ 51.0501, 0.3666,
0.3334

Harmonies

Analogous

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



31.8288, 0.2681, 0.3612



31.8288, 0.2417, 0.3187



31.8288, 0.2334, 0.2832

Triad

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



31.8288, 0.2417, 0.3187



31.8288, 0.3134, 0.2732



31.8288, 0.3839, 0.3945

Complementary

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



31.8288, 0.2417, 0.3187



15.4801, 0.4683, 0.3381

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.



31.8288, 0.3988, 0.3662



31.8288, 0.2417, 0.3187



31.8288, 0.3567, 0.2986

Square

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



31.8288, 0.2417, 0.3187



31.8288, 0.2726, 0.2603



31.8288, 0.3889, 0.3317



31.8288, 0.3499, 0.4069

Rectangle

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



31.8288, 0.2417, 0.3187



31.8288, 0.2386, 0.2679



31.8288, 0.3889, 0.3317



31.8288, 0.3914, 0.3864

Sweetspot

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



31.8300, 0.2417, 0.3187



68.1142, 0.2870, 0.3261



31.6861, 0.3018, 0.4949



14.6580, 0.2843, 0.3258



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.



31.8300, 0.2417, 0.3187



55.5854, 0.2323, 0.3162



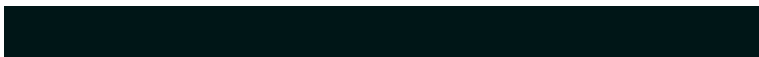
17.9170, 0.2241, 0.2336



8.9843, 0.2986, 0.3275



21.2561, 0.2193, 0.3095



0.6167, 0.2211, 0.3158

Inverse Universe

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



16.8221, 0.3265, 0.2069



26.0306, 0.3298, 0.1876



25.0643, 0.4247, 0.4059



8.1392, 0.3147, 0.3080



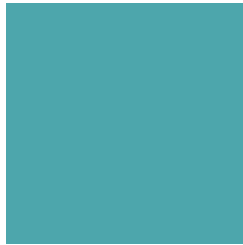
8.4489, 0.3371, 0.1631



0.2376, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 31.8288, 0.2417, 0.3187 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 31.8288, 0.2417, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

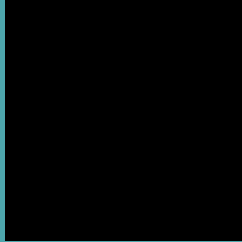
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8288, 0.2417, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 31.8288, 0.2417, 0.3187.



This preview shows how white text looks on a background with the Yxy color 31.8288, 0.2417, 0.3187.

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

31.8288, 0.2417, 0.3187

Protanopia

31.4530, 0.3027, 0.3108

Deuteranopia

31.2830, 0.2940, 0.2879



Tritanopia

31.7869, 0.2389, 0.3073

Trichromacy



Original Color

31.8288, 0.2417, 0.3187

Protanomaly

30.8901, 0.2758, 0.3129

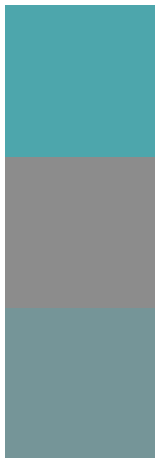
Deuteranomaly

31.0499, 0.2704, 0.2976

Tritanomaly

31.6646, 0.2396, 0.3104

Monochromacy



Original Color

31.8288, 0.2417, 0.3187

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5438, 0.2792, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8288, 0.2417, 0.3187 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(77, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(77, 166, 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(77, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 166, 172) }
```

Border

The CSS property to change the border of an element to Yxy 31.8288, 0.2417, 0.3187 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(77, 166, 172) }
```

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

```
.border{ border-color:rgb(77, 166, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 166, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(77, 166,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8288, 0.2417, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 166, 172) }
```

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

```
.background{ background-color: rgb(77, 166,  
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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