

Converting Colors

$Y_{xy}(31.1854, 0.2414, 0.3288)$

Have a look what the booklet for
Yxy(31.1854, 0.2414, 0.3288)
contains.

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Color

Yxy(31.2908, 0.2414, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	45A6A6
RGB	69, 166, 166
RGB Percent	27%, 65%, 65%
CMY	0.7294, 0.3490, 0.3490
CMYK	0.58, 0.00, 0.00, 0.35
HSL	180°, 41%, 46%
HSV	180°, 58%, 65%
XYZ	22.9732, 31.2908, 40.9026
YIQ	136.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

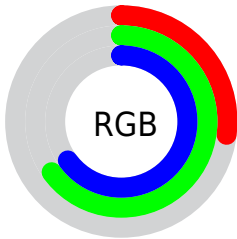
Format	Color
R _Y B	69, 118, 166
Decimal	4564646
CIE Lab	62.75, -27.99, -8.53
CIE LCh	63, 29.263, 196.945
Yxy	31.2908, 0.2414, 0.3288
Android (android.graphics.Color)	4282754726 (0xFF45A6A6)
YUV	136.9970, 14.2985, -59.6334
Hunter-Lab	55.9382, -24.5837, -4.1968

Details

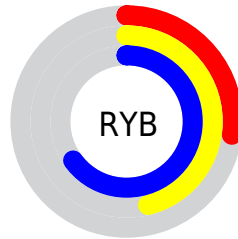
The Yxy color **31.2908, 0.2414, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7946, 0.4875, 0.3295**, and the grayscale version is **24.9777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4454, 0.2551, 0.3288**, and **13.2495, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **30.7674, 0.2346, 0.3288**, and if you desaturate by 10%, it is **31.9864, 0.2500, 0.3288**.

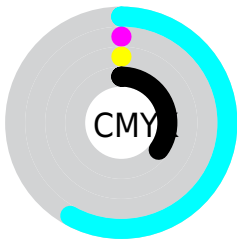
Distribution



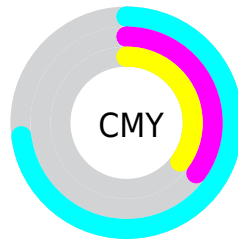
- Red (27%)
- Green (65%)
- Blue (65%)



- Red (27%)
- Yellow (46%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)





- Cyan (73%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2908, 0.2414, 0.3288 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 31.2908, 0.2414, 0.3288 by changing the saturation by 10% instead.


 31.2908, 0.2414,
0.3288


 31.2908, 0.2414,
0.3288


307.8758, 0.2786,
0.3298


 20.8204, 0.2316,
0.3282


 61.6976, 0.2553,
0.3294

 12.9928, 0.2188,
0.3272


 82.4028, 0.2604,
0.3296


 7.4236, 0.2014,
0.3253


 107.2884, 0.2647,
0.3296

 3.7284, 0.1763,
0.3216

 136.7387, 0.2683,
0.3297

 1.5228, 0.1357,
0.3139

 171.1383, 0.2714,
0.3297

 0.3047, 0.0000,
0.2472

210.8713, 0.2741,

 0.0000, 0.0000,

0.3298

0.0000

256.3224, 0.2765,
0.3298

■ 31.2908, 0.2414,
0.3288

■ 31.2908, 0.2414,
0.3288

■ 30.7674, 0.2346,
0.3288

■ 31.9864, 0.2500,
0.3288

■ 30.3980, 0.2297,
0.3288

■ 32.8636, 0.2604,
0.3289

■ 30.1669, 0.2266,
0.3288

■ 33.9351, 0.2723,
0.3289

■ 30.0431, 0.2249,
0.3288

■ 35.2116, 0.2856,
0.3289

■ 30.0262, 0.2247,
0.3288

■ 36.7031, 0.3000,
0.3290

■ 38.4188, 0.3151,
0.3290

■ 40.3674, 0.3308,
0.3291

■ 42.5571, 0.3466,
0.3291

■ 44.9959, 0.3625,
0.3291

Harmonies

Analogous

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



31.2908, 0.2738, 0.3748



31.2908, 0.2414, 0.3288



31.2908, 0.2276, 0.2873

Triad

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



31.2908, 0.2414, 0.3288



31.2908, 0.3016, 0.2642



31.2908, 0.3959, 0.3931

Complementary

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



31.2908, 0.2414, 0.3288



12.7946, 0.4875, 0.3295

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.



31.2908, 0.4060, 0.3598



31.2908, 0.2414, 0.3288



31.2908, 0.3492, 0.2885

Square

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



31.2908, 0.2414, 0.3288



31.2908, 0.2602, 0.2542



31.2908, 0.3887, 0.3224



31.2908, 0.3631, 0.4123

Rectangle

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



31.2908, 0.2414, 0.3288



31.2908, 0.2298, 0.2680



31.2908, 0.3887, 0.3224



31.2908, 0.4021, 0.3830

Sweetspot

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



31.2920, 0.2414, 0.3288



63.9272, 0.2858, 0.3289



29.0287, 0.3052, 0.5126



14.1507, 0.2819, 0.3289



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.2920, 0.2414, 0.3288



55.6178, 0.2330, 0.3288



17.2417, 0.2223, 0.2403



8.5321, 0.2987, 0.3290



23.2831, 0.2247, 0.3288



0.5665, 0.2247, 0.3288

Inverse Universe

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



12.7946, 0.4875, 0.3295



18.8790, 0.5481, 0.3297



21.0024, 0.4387, 0.4000



7.5423, 0.3286, 0.3290



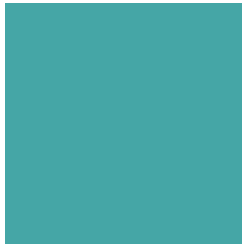
6.2866, 0.6401, 0.3300



0.1530, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 31.2908, 0.2414, 0.3288 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 31.2908, 0.2414, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

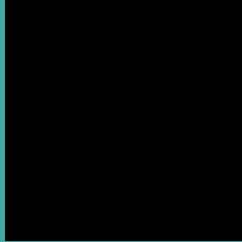
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

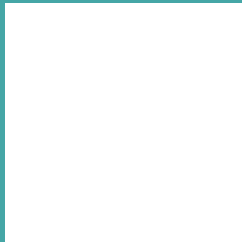
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2908, 0.2414, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 31.2908, 0.2414, 0.3288.

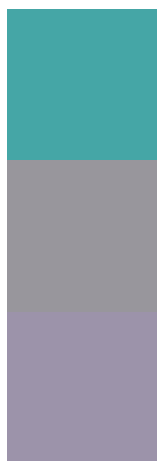


This preview shows how white text looks on a background with the Yxy color 31.2908, 0.2414, 0.3288.

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

31.2908, 0.2414, 0.3288

Protanopia

30.8884, 0.3091, 0.3198

Deuteranopia

30.8376, 0.3003, 0.2949



Tritanopia

31.2211, 0.2361, 0.3054

Trichromacy



Original Color

31.2908, 0.2414, 0.3288

Protanomaly

30.4526, 0.2780, 0.3224

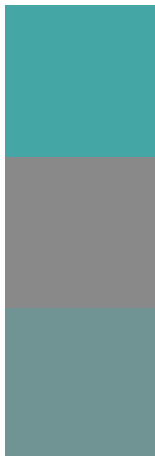
Deuteranomaly

30.2609, 0.2724, 0.3049

Tritanomaly

31.3440, 0.2378, 0.3136

Monochromacy



Original Color

31.2908, 0.2414, 0.3288

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.7627, 0.2780, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2908, 0.2414, 0.3288 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(69, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(69, 166, 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(69, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 166, 166) }
```

Border

The CSS property to change the border of an element to Yxy 31.2908, 0.2414, 0.3288 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(69, 166, 166) }
```

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

```
.border{ border-color:rgb(69, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(69, 166,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2908, 0.2414, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 166, 166) }
```

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

```
.background{ background-color: rgb(69, 166,  
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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