

Converting Colors

$Y_{xy}(31.3196, 0.2332, 0.2987)$

Have a look what the booklet for
Yxy(31.3196, 0.2332, 0.2987)
contains.

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Color

Yxy(31.3448, 0.2334, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	49A4B6
RGB	73, 164, 182
RGB Percent	29%, 64%, 71%
CMY	0.7137, 0.3569, 0.2862
CMYK	0.60, 0.10, 0.00, 0.29
HSL	190°, 43%, 50%
HSV	190°, 60%, 71%
XYZ	24.4678, 31.3448, 49.0195
YIQ	138.8430, -60.0140, -13.6940

Conversions

Conversions Part 2

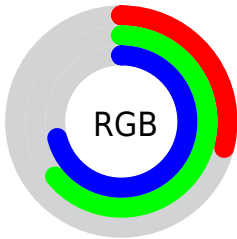
Format	Color
RYB	73, 123, 182
Decimal	4826294
CIELab	62.80, -21.58, -17.43
CIElCh	63, 27.734, 218.929
Yxy	31.3448, 0.2334, 0.2990
Android (android.graphics.Color)	4283016374 (0xFF49A4B6)
YUV	138.8430, 21.2764, -57.7443
Hunter-Lab	55.9864, -19.9662, -12.7215

Details

The Yxy color **31.3448, 0.2334, 0.2990** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9136, 0.4787, 0.3537**, and the grayscale version is **25.6916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7416, 0.2487, 0.3054**, and **13.1733, 0.2134, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **29.6723, 0.2248, 0.2932**, and if you desaturate by 10%, it is **33.2532, 0.2437, 0.3047**.

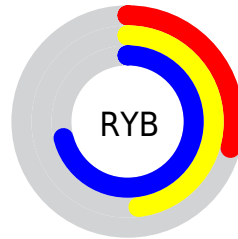
Distribution



Red (29%)

Green (64%)

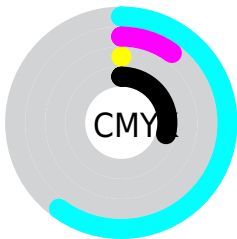
Blue (71%)



Red (29%)

Yellow (48%)

Blue (71%)

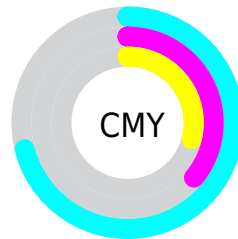


Cyan (60%)

Magenta (10%)

Yellow (0%)

Black (29%)



Cyan (71%)

Magenta (36%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3448, 0.2334, 0.2990 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 31.3448, 0.2334, 0.2990 by changing the saturation by 10% instead.

31.3448, 0.2334,
0.2990

31.3448, 0.2334,
0.2990

308.1237, 0.2744,
0.3160

20.8615, 0.2228,
0.2941

61.7825, 0.2486,
0.3057

13.0228, 0.2091,
0.2873

82.5058, 0.2542,
0.3080

7.4443, 0.1907,
0.2776

107.4111, 0.2589,
0.3099

3.7415, 0.1649,
0.2626

136.8830, 0.2629,
0.3116

1.5300, 0.1270,
0.2369

171.3058, 0.2664,
0.3129

0.3097, 0.0000,
0.1553

211.0640, 0.2694,

0.0000, 0.0000,

0.3141

0.0000

256.5418, 0.2721,
0.3151

■ 31.3448, 0.2334,
0.2990

■ 31.3448, 0.2334,
0.2990

■ 29.6723, 0.2248,
0.2932

■ 33.2532, 0.2437,
0.3047

■ 28.2131, 0.2181,
0.2873

■ 35.4104, 0.2556,
0.3102

■ 26.9462, 0.2133,
0.2814

■ 37.8328, 0.2688,
0.3155

■ 25.8267, 0.2099,
0.2756

■ 40.5341, 0.2829,
0.3204

■ 25.8137, 0.2099,
0.2755

■ 43.5269, 0.2977,
0.3249

■ 46.8231, 0.3129,
0.3290

■ 50.4339, 0.3282,
0.3328

■ 54.3699, 0.3434,
0.3362

■ 58.6412, 0.3583,
0.3391

Harmonies

Analogous

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



31.3448, 0.2517, 0.3408



31.3448, 0.2334, 0.2990



31.3448, 0.2345, 0.2698

Triad

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



31.3448, 0.2334, 0.2990



31.3448, 0.3355, 0.2832



31.3448, 0.3705, 0.4051

Complementary

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



31.3448, 0.2334, 0.2990



17.9136, 0.4787, 0.3537

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.



31.3448, 0.3965, 0.3825



31.3448, 0.2334, 0.2990



31.3448, 0.3763, 0.3137

Square

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



31.3448, 0.2334, 0.2990



31.3448, 0.2907, 0.2632



31.3448, 0.3991, 0.3491



31.3448, 0.3299, 0.4066

Rectangle

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



31.3448, 0.2334, 0.2990



31.3448, 0.2459, 0.2599



31.3448, 0.3991, 0.3491



31.3448, 0.3814, 0.3994

Sweetspot

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



31.3460, 0.2334, 0.2990



74.3019, 0.2852, 0.3211



35.6032, 0.2950, 0.4932



16.0793, 0.2810, 0.3197



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



31.3460, 0.2334, 0.2990



52.8672, 0.2224, 0.2912



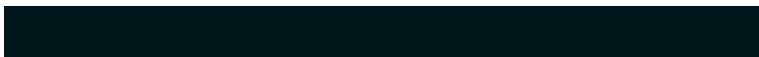
16.1997, 0.2123, 0.2035



9.9512, 0.2985, 0.3251



18.3108, 0.2101, 0.2762



0.7135, 0.2142, 0.2912

Inverse Universe

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



17.3938, 0.3429, 0.2102



26.5744, 0.3514, 0.1927



30.3316, 0.4268, 0.4252



9.1366, 0.3162, 0.3101



8.6308, 0.3670, 0.1795



0.3111, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 31.3448, 0.2334, 0.2990 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 31.3448, 0.2334, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

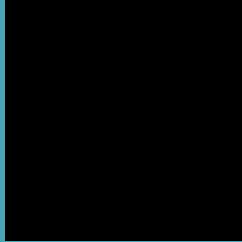
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3448, 0.2334, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 31.3448, 0.2334, 0.2990.



This preview shows how white text looks on a background with the Yxy color 31.3448, 0.2334, 0.2990.

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

31.3448, 0.2334, 0.2990

Protanopia

31.0329, 0.2891, 0.2943

Deuteranopia

31.0209, 0.2791, 0.2734



Tritanopia

31.4642, 0.2351, 0.3070

Trichromacy



Original Color

31.3448, 0.2334, 0.2990

Protanomaly

30.5703, 0.2640, 0.2956

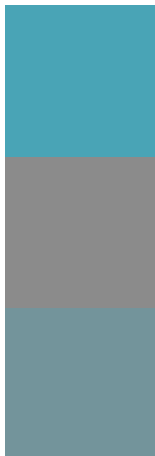
Deuteranomaly

30.6789, 0.2582, 0.2809

Tritanomaly

31.5427, 0.2350, 0.3055

Monochromacy



Original Color

31.3448, 0.2334, 0.2990

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1912, 0.2748, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3448, 0.2334, 0.2990 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(73, 164, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 164, 182)  
}
```

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(73, 164, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 164, 182) }
```

Border

The CSS property to change the border of an element to Yxy 31.3448, 0.2334, 0.2990 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(73, 164, 182) }
```

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

```
.border{ border-color:rgb(73, 164, 182) }
```

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

Here you see how a box with a 4 pixel rgb(73, 164, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 164, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 164, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 164,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3448, 0.2334, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 164, 182) }
```

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

```
.background{ background-color: rgb(73, 164,  
182) }
```

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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