

Converting Colors

$Y_{xy}(31.0079, 0.2593, 0.3462)$

Have a look what the booklet for
Yxy(31.0079, 0.2593, 0.3462)
contains.

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Color

Yxy(31.0079, 0.2593, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	59A49A
RGB	89, 164, 154
RGB Percent	35%, 64%, 60%
CMY	0.6512, 0.3568, 0.3961
CMYK	0.46, 0.00, 0.06, 0.36
HSL	172°, 30%, 50%
HSV	172°, 46%, 64%
XYZ	23.2246, 31.0079, 35.3340
YIQ	140.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

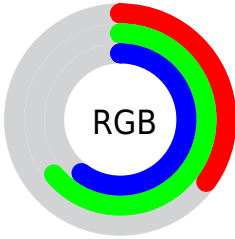
Format	Color
R_{YB}	89, 129, 164
Decimal	5874842
CIE _{Lab}	62.51, -25.84, -2.07
CIE _{LCh}	63, 25.918, 184.578
Yxy	31.0079, 0.2593, 0.3462
Android (android.graphics.Color)	4284064922 (0xFF59A49A)
YUV	140.4350, 6.6875, -45.1085
Hunter-Lab	55.6847, -23.0008, 1.3577

Details

The Yxy color **31.0079, 0.2593, 0.3462** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9304, 0.4158, 0.3135**, and the grayscale version is **26.3855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0567, 0.2699, 0.3430**, and **12.8747, 0.2417, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **30.2144, 0.2512, 0.3506**, and if you desaturate by 10%, it is **31.9859, 0.2690, 0.3420**.

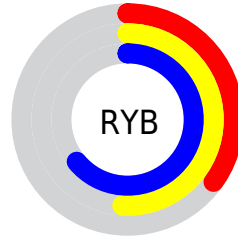
Distribution



Red (35%)

Green (64%)

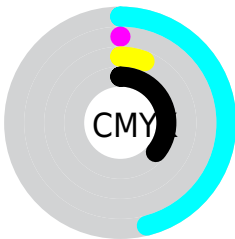
Blue (60%)



Red (35%)

Yellow (51%)

Blue (64%)

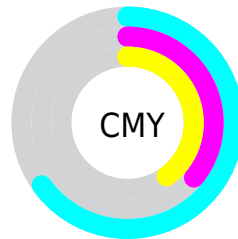


Cyan (46%)

Magenta (0%)

Yellow (6%)

Black (36%)



Cyan (65%)


Magenta (36%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0079, 0.2593, 0.3462 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 31.0079, 0.2593, 0.3462 by changing the saturation by 10% instead.


 31.0079, 0.2593,
0.3462


 31.0079, 0.2593,
0.3462


306.5747, 0.2876,
0.3373

 20.6049, 0.2517,
0.3485


 61.2525, 0.2700,
0.3429

 12.8355, 0.2416,
0.3516


 81.8629, 0.2738,
0.3417

 7.3154, 0.2276,
0.3557


 106.6445, 0.2771,
0.3406

 3.6601, 0.2069,
0.3615

 135.9817, 0.2798,
0.3398

 1.4853, 0.1715,
0.3712

170.2589, 0.2822,
0.3390

 0.2783, 0.0000,
0.3834

209.8606, 0.2842,

 0.0000, 0.0000,

0.3384

0.0000

255.1710, 0.2860,
0.3378

■ 31.0079, 0.2593,
0.3462

■ 31.0079, 0.2593,
0.3462

■ 30.2144, 0.2512,
0.3506

■ 31.9859, 0.2690,
0.3420

■ 29.5896, 0.2448,
0.3551

■ 33.1557, 0.2801,
0.3380

■ 29.1211, 0.2402,
0.3598


■ 34.5288, 0.2922,
0.3343


■ 28.7930, 0.2375,
0.3644

■ 36.1145, 0.3050,
0.3308

■ 28.5846, 0.2365,
0.3689

■ 37.9218, 0.3184,
0.3277

 28.5118, 0.2364,
0.3709

 39.9590, 0.3321,
0.3249

 42.2339, 0.3459,
0.3224

 44.7542, 0.3595,
0.3202

 47.5271, 0.3728,
0.3183

Harmonies

Analogous

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



31.0079, 0.2939, 0.3834



31.0079, 0.2593, 0.3462



31.0079, 0.2394, 0.3062

Triad

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



31.0079, 0.2593, 0.3462



31.0079, 0.2865, 0.2653



31.0079, 0.3932, 0.3755

Complementary

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



31.0079, 0.2593, 0.3462



15.9304, 0.4158, 0.3135

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.



31.0079, 0.3920, 0.3433



31.0079, 0.2593, 0.3462



31.0079, 0.3280, 0.2824

Square

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



31.0079, 0.2593, 0.3462



31.0079, 0.2543, 0.2627



31.0079, 0.3675, 0.3101



31.0079, 0.3718, 0.3984

Rectangle

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



31.0079, 0.2593, 0.3462



31.0079, 0.2362, 0.2848



31.0079, 0.3675, 0.3101



31.0079, 0.3955, 0.3653

Sweetspot

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



31.0091, 0.2593, 0.3462



63.0742, 0.2940, 0.3337



29.9253, 0.3145, 0.4654



13.6680, 0.2915, 0.3345



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.0091, 0.2593, 0.3462



54.8025, 0.2510, 0.3507



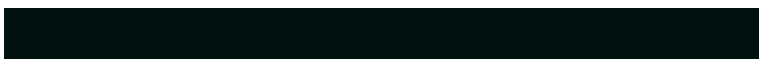
22.5484, 0.2441, 0.2795



7.9949, 0.3005, 0.3320



21.8636, 0.2362, 0.3704



0.4636, 0.2316, 0.3538

Inverse Universe

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



15.9304, 0.4158, 0.3135



23.9353, 0.4537, 0.3108



21.2142, 0.4113, 0.3726



7.1006, 0.3265, 0.3260



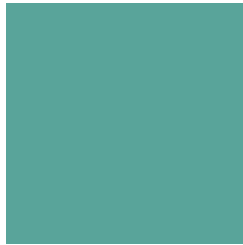
6.0999, 0.6195, 0.3186



0.1324, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 31.0079, 0.2593, 0.3462 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 31.0079, 0.2593, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

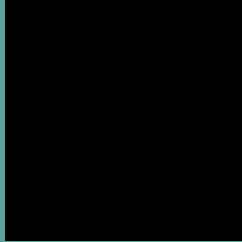
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

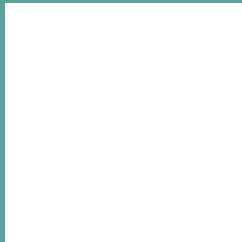
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0079, 0.2593, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 31.0079, 0.2593, 0.3462.



This preview shows how white text looks on a background with the Yxy color 31.0079, 0.2593, 0.3462.

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

31.0079, 0.2593, 0.3462

Protanopia

30.7580, 0.3206, 0.3352

Deuteranopia

30.7078, 0.3177, 0.3112



Tritanopia

30.9786, 0.2491, 0.3074

Trichromacy



Original Color

31.0079, 0.2593, 0.3462

Protanomaly

30.3584, 0.2941, 0.3388

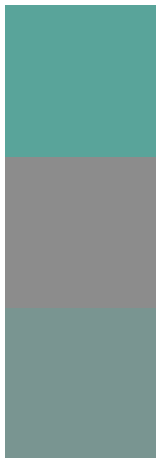
Deuteranomaly

30.3677, 0.2918, 0.3226

Tritanomaly

30.9578, 0.2526, 0.3204

Monochromacy



Original Color

31.0079, 0.2593, 0.3462

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.6042, 0.2888, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0079, 0.2593, 0.3462 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(89, 164, 154)` looks like.

```
.text, #text, p{  
    color:rgb(89, 164, 154)  
}
```

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(89, 164, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 164, 154) }
```

Border

The CSS property to change the border of an element to Yxy 31.0079, 0.2593, 0.3462 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(89, 164, 154) }
```

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

```
.border{ border-color:rgb(89, 164, 154) }
```

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

Here you see how a box with a 4 pixel rgb(89, 164, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 164, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 164, 154);  
box-shadow:4px 4px 4px 4px rgb(89, 164,  
154) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.0079, 0.2593, 0.3462$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 164, 154) }
```

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

```
.background{ background-color: rgb(89, 164,  
154) }
```

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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