

Converting Colors

$Y_{xy}(31.5078, 0.2544, 0.3141)$

Have a look what the booklet for
Yxy(31.5078, 0.2544, 0.3141)
contains.

Yxy(31.4903, 0.2546, 0.3140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.4903, 0.2546, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	64A2AB
RGB	100, 162, 171
RGB Percent	39%, 64%, 67%
CMY	0.6075, 0.3647, 0.3294
CMYK	0.41, 0.05, 0.00, 0.33
HSL	188°, 30%, 53%
HSV	188°, 41%, 67%
XYZ	25.5332, 31.4903, 43.2641
YIQ	144.4880, -39.8410, -10.3450

Conversions

Conversions Part 2

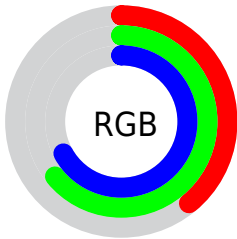
Format	Color
RYB	100, 133, 171
Decimal	6595243
CIELab	62.92, -17.55, -10.97
CIElCh	63, 20.694, 212.002
Yxy	31.4903, 0.2546, 0.3140
Android (android.graphics.Color)	4284785323 (0xFF64A2AB)
YUV	144.4880, 13.0704, -39.0160
Hunter-Lab	56.1162, -16.9848, -6.4296

Details

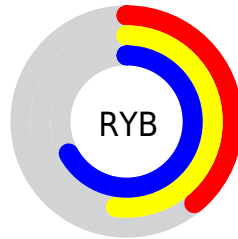
The Yxy color **31.4903, 0.2546, 0.3140** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5381, 0.4106, 0.3431**, and the grayscale version is **28.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9867, 0.2659, 0.3178**, and **13.0646, 0.2358, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **29.8564, 0.2434, 0.3098**, and if you desaturate by 10%, it is **33.3446, 0.2672, 0.3180**.

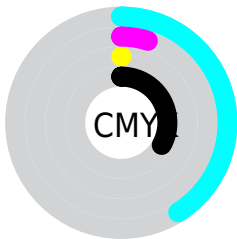
Distribution



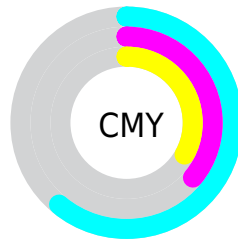
- Red (39%)
- Green (64%)
- Blue (67%)



- Red (39%)
- Yellow (52%)
- Blue (67%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)




- Cyan (61%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4903, 0.2546, 0.3140 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 31.4903, 0.2546, 0.3140 by changing the saturation by 10% instead.


 31.4903, 0.2546,
0.3140


 31.4903, 0.2546,
0.3140


308.7908, 0.2850,
0.3226

 20.9725, 0.2466,
0.3115


 62.0112, 0.2659,
0.3174


 13.1039, 0.2361,
0.3079

 82.7830, 0.2701,
0.3186

 7.5001, 0.2217,
0.3027


 107.7417, 0.2736,
0.3196

 3.7768, 0.2009,
0.2944

 137.2715, 0.2766,
0.3204

 1.5495, 0.1684,
0.2793

171.7570, 0.2791,
0.3211

 0.3232, 0.0000,
0.2229

211.5824, 0.2813,

 0.0000, 0.0000,

0.3216

0.0000

257.1322, 0.2833,
0.3221

■ 31.4903, 0.2546,
0.3140

■ 31.4903, 0.2546,
0.3140

■ 29.8564, 0.2434,
0.3098

■ 33.3446, 0.2672,
0.3180

■ 28.4262, 0.2338,
0.3055

■ 35.4275, 0.2809,
0.3218

■ 27.1866, 0.2260,
0.3011

■ 37.7512, 0.2954,
0.3253

■ 26.1211, 0.2201,
0.2967

■ 40.3259, 0.3105,
0.3285

■ 25.2103, 0.2160,
0.2923

■ 43.1612, 0.3258,
0.3315

■ 24.5199, 0.2135,
0.2886

■ 46.2662, 0.3411,
0.3341

■ 49.6494, 0.3562,
0.3365

■ 53.3193, 0.3710,
0.3385

■ 57.2835, 0.3853,
0.3403

Harmonies

Analogous

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



31.4903, 0.2721, 0.3456



31.4903, 0.2546, 0.3140



31.4903, 0.2518, 0.2890

Triad

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



31.4903, 0.2546, 0.3140



31.4903, 0.3222, 0.2898



31.4903, 0.3621, 0.3834

Complementary

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



31.4903, 0.2546, 0.3140



20.5381, 0.4106, 0.3431

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.



31.4903, 0.3774, 0.3649



31.4903, 0.2546, 0.3140



31.4903, 0.3539, 0.3119

Square

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



31.4903, 0.2546, 0.3140



31.4903, 0.2894, 0.2768



31.4903, 0.3745, 0.3388



31.4903, 0.3338, 0.3874

Rectangle

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



31.4903, 0.2546, 0.3140



31.4903, 0.2584, 0.2789



31.4903, 0.3745, 0.3388



31.4903, 0.3690, 0.3785

Sweetspot

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



31.4915, 0.2546, 0.3140



67.2829, 0.2943, 0.3251



32.9329, 0.3010, 0.4395



14.8836, 0.2925, 0.3246



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.



31.4915, 0.2546, 0.3140



53.6291, 0.2440, 0.3101



20.9023, 0.2449, 0.2529



8.8957, 0.2986, 0.3260



18.5358, 0.2136, 0.2890



0.5631, 0.2173, 0.3022

Inverse Universe

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



20.3964, 0.3283, 0.2402



31.4001, 0.3327, 0.2218



29.4719, 0.3886, 0.3943



8.1303, 0.3156, 0.3094



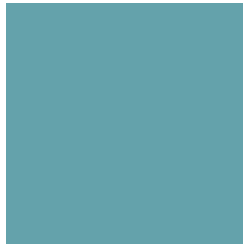
8.1742, 0.3552, 0.1731



0.2322, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 31.4903, 0.2546, 0.3140 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 31.4903, 0.2546, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

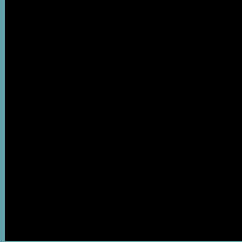
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4903, 0.2546, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 31.4903, 0.2546, 0.3140.

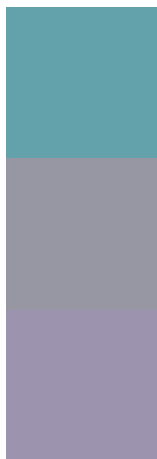


This preview shows how white text looks on a background with the Yxy color 31.4903, 0.2546, 0.3140.

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

31.4903, 0.2546, 0.3140

Protanopia

31.3929, 0.3008, 0.3093

Deuteranopia

31.3037, 0.2967, 0.2908



Tritanopia

31.3124, 0.2530, 0.3076

Trichromacy



Original Color

31.4903, 0.2546, 0.3140

Protanomaly

31.1382, 0.2809, 0.3100

Deuteranomaly

31.0338, 0.2794, 0.2981

Tritanomaly

31.2736, 0.2536, 0.3092

Monochromacy



Original Color

31.4903, 0.2546, 0.3140

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.1334, 0.2886, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4903, 0.2546, 0.3140 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(100, 162, 171)` looks like.

```
.text, #text, p{  
    color:rgb(100, 162, 171)  
}
```

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(100, 162, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 162, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.4903, 0.2546, 0.3140 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(100, 162, 171) }
```

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

```
.border{ border-color:rgb(100, 162, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 162, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 162, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 162, 171);  
box-shadow:4px 4px 4px 4px rgb(100, 162,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4903, 0.2546, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 162, 171) }
```

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

```
.background{ background-color: rgb(100,  
162, 171) }
```

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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