

Converting Colors

$Yxy(31.6953, 0.2529, 0.3391)$

Have a look what the booklet for
Yxy(31.6953, 0.2529, 0.3391)
contains.

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Color

Yxy(31.6953, 0.2529, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	54A6A0
RGB	84, 166, 160
RGB Percent	33%, 65%, 63%
CMY	0.6706, 0.3490, 0.3725
CMYK	0.49, 0.00, 0.04, 0.35
HSL	176°, 33%, 49%
HSV	176°, 49%, 65%
XYZ	23.6383, 31.6953, 38.1353
YIQ	140.7980, -46.9460, -19.2500

Conversions

Conversions Part 2

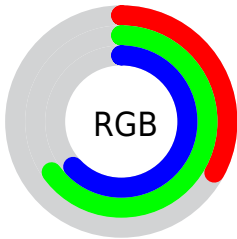
Format	Color
RYB	84, 127, 166
Decimal	5547680
CIELab	63.09, -26.47, -4.62
CIElCh	63, 26.872, 189.891
Yxy	31.6953, 0.2529, 0.3391
Android (android.graphics.Color)	4283737760 (0xFF54A6A0)
YUV	140.7980, 9.4666, -49.8118
Hunter-Lab	56.2986, -23.5751, -0.7526

Details

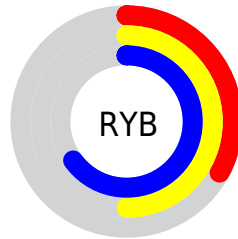
The Yxy color **31.6953, 0.2529, 0.3391** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.1861, 0.4373, 0.3201**, and the grayscale version is **26.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1082, 0.2642, 0.3365**, and **13.3093, 0.2337, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **30.9769, 0.2449, 0.3415**, and if you desaturate by 10%, it is **32.5981, 0.2626, 0.3368**.

Distribution



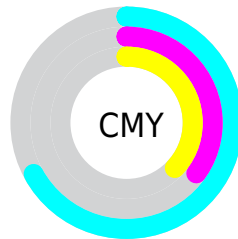
- Red (33%)
- Green (65%)
- Blue (63%)



- Red (33%)
- Yellow (50%)
- Blue (65%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6953, 0.2529, 0.3391 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 31.6953, 0.2529, 0.3391 by changing the saturation by 10% instead.


 31.6953, 0.2529,
0.3391


 31.6953, 0.2529,
0.3391


309.7289, 0.2843,
0.3342


 21.1289, 0.2446,
0.3402


 62.3331, 0.2647,
0.3374


 13.2182, 0.2336,
0.3416


 83.1733, 0.2690,
0.3367

 7.5790, 0.2185,
0.3432

 108.2068, 0.2726,
0.3362

 3.8268, 0.1964,
0.3451

 137.8181, 0.2756,
0.3357

 1.5771, 0.1609,
0.3470

172.3916, 0.2783,
0.3352

 0.3421, 0.0000,
0.3298

212.3116, 0.2805,

 0.0000, 0.0000,

0.3349

0.0000

257.9626, 0.2825,
0.3345

■ 31.6953, 0.2529,
0.3391

■ 31.6953, 0.2529,
0.3391

■ 30.9769, 0.2449,
0.3415

■ 32.5981, 0.2626,
0.3368

■ 30.4262, 0.2388,
0.3439

■ 33.6933, 0.2737,
0.3346

■ 30.0297, 0.2345,
0.3463

■ 34.9929, 0.2861,
0.3326


■ 29.7700, 0.2321,
0.3487

■ 36.5070, 0.2995,
0.3306


■ 29.6111, 0.2310,
0.3511

■ 38.2448, 0.3136,
0.3289

 29.6022, 0.2309,
0.3513

 40.2151, 0.3281,
0.3273

 42.4262, 0.3428,
0.3259

 44.8861, 0.3575,
0.3247

 47.6021, 0.3719,
0.3236

Harmonies

Analogous

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



31.6953, 0.2862, 0.3792



31.6953, 0.2529, 0.3391



31.6953, 0.2357, 0.2990

Triad

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



31.6953, 0.2529, 0.3391



31.6953, 0.2928, 0.2657



31.6953, 0.3932, 0.3818

Complementary

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



31.6953, 0.2529, 0.3391



15.1861, 0.4373, 0.3201

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.



31.6953, 0.3964, 0.3497



31.6953, 0.2529, 0.3391



31.6953, 0.3362, 0.2855

Square

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



31.6953, 0.2529, 0.3391



31.6953, 0.2575, 0.2602



31.6953, 0.3751, 0.3153



31.6953, 0.3676, 0.4029

Rectangle

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



31.6953, 0.2529, 0.3391



31.6953, 0.2347, 0.2787



31.6953, 0.3751, 0.3153



31.6953, 0.3970, 0.3719

Sweetspot

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



31.6965, 0.2529, 0.3391



64.5909, 0.2915, 0.3318



30.1290, 0.3109, 0.4795



14.3329, 0.2888, 0.3321



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.



31.6965, 0.2529, 0.3391



56.1393, 0.2444, 0.3416



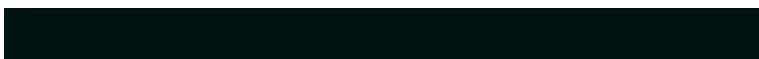
21.0960, 0.2375, 0.2670



8.5225, 0.2996, 0.3306



22.9574, 0.2309, 0.3511



0.5613, 0.2286, 0.3431

Inverse Universe

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



15.1861, 0.4373, 0.3201



22.7219, 0.4818, 0.3190



21.7439, 0.4187, 0.3822



7.5509, 0.3275, 0.3274



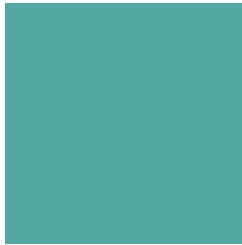
6.3103, 0.6301, 0.3245



0.1562, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 31.6953, 0.2529, 0.3391 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 31.6953, 0.2529, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

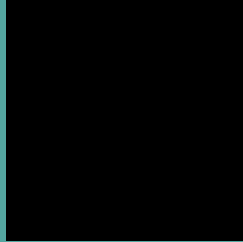
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

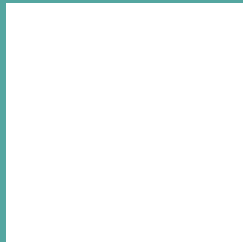
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6953, 0.2529, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 31.6953, 0.2529, 0.3391.



This preview shows how white text looks on a background with the Yxy color 31.6953, 0.2529, 0.3391.

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

31.6953, 0.2529, 0.3391

Protanopia

31.3361, 0.3168, 0.3290

Deuteranopia

31.4372, 0.3108, 0.3054



Tritanopia

31.4926, 0.2442, 0.3058

Trichromacy



Original Color

31.6953, 0.2529, 0.3391

Protanomaly

30.7772, 0.2890, 0.3322

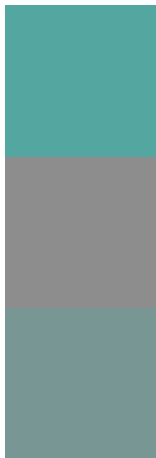
Deuteranomaly

31.0736, 0.2850, 0.3163

Tritanomaly

31.5174, 0.2471, 0.3171

Monochromacy



Original Color

31.6953, 0.2529, 0.3391

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.9439, 0.2854, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6953, 0.2529, 0.3391 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(84, 166, 160)` looks like.

```
.text, #text, p{  
    color:rgb(84, 166, 160)  
}
```

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(84, 166, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 166, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.6953, 0.2529, 0.3391 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(84, 166, 160) }
```

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

```
.border{ border-color:rgb(84, 166, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 166, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 166, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 166, 160); box-shadow:4px 4px 4px 4px rgb(84, 166, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6953, 0.2529, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 166, 160) }
```

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

```
.background{ background-color: rgb(84, 166,  
160) }
```

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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