

Converting Colors

$Yxy(31.2830, 0.2599, 0.3598)$

Have a look what the booklet for
Yxy(31.2830, 0.2599, 0.3598)
contains.

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Color

Yxy(31.2496, 0.2602, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	53A694
RGB	83, 166, 148
RGB Percent	33%, 65%, 58%
CMY	0.6745, 0.3490, 0.4196
CMYK	0.50, 0.00, 0.11, 0.35
HSL	167°, 33%, 49%
HSV	167°, 50%, 65%
XYZ	22.5489, 31.2496, 32.8615
YIQ	139.1310, -43.6900, -23.1940

Conversions

Conversions Part 2

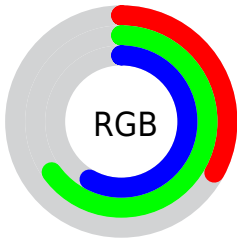
Format	Color
RYB	83, 130, 166
Decimal	5482132
CIELab	62.72, -29.77, 1.57
CIElCh	63, 29.814, 176.990
Yxy	31.2496, 0.2602, 0.3606
Android (android.graphics.Color)	4283672212 (0xFF53A694)
YUV	139.1310, 4.3724, -49.2269
Hunter-Lab	55.9013, -25.8258, 4.2774

Details

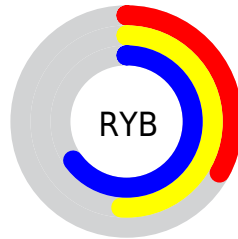
The Yxy color **31.2496, 0.2602, 0.3606** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2337, 0.4189, 0.3014**, and the grayscale version is **25.8680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3804, 0.2707, 0.3535**, and **13.0683, 0.2433, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **30.4718, 0.2534, 0.3681**, and if you desaturate by 10%, it is **32.2142, 0.2686, 0.3534**.

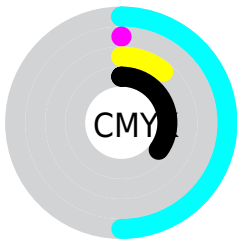
Distribution



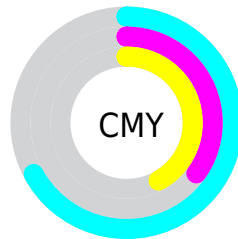
- Red (33%)
- Green (65%)
- Blue (58%)



- Red (33%)
- Yellow (51%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)





- Cyan (67%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2496, 0.2602, 0.3606 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 31.2496, 0.2602, 0.3606 by changing the saturation by 10% instead.


 31.2496, 0.2602,
0.3606


 31.2496, 0.2602,
0.3606


307.6866, 0.2881,
0.3437


 20.7890, 0.2526,
0.3652


 61.6328, 0.2708,
0.3542


 12.9698, 0.2425,
0.3715


 82.3242, 0.2746,
0.3518

 7.4078, 0.2285,
0.3802


 107.1947, 0.2778,
0.3499

 3.7184, 0.2074,
0.3935

 136.6286, 0.2805,
0.3483

 1.5173, 0.1685,
0.4181

171.0103, 0.2828,
0.3469

 0.3009, 0.0000,
0.5797

210.7243, 0.2848,

 0.0000, 0.0000,

0.3457

0.0000

256.1549, 0.2866,
0.3446

■ 31.2496, 0.2602,
0.3606

■ 31.2496, 0.2602,
0.3606

■ 30.4718, 0.2534,
0.3681

■ 32.2142, 0.2686,
0.3534

■ 29.8638, 0.2484,
0.3759

■ 33.3738, 0.2783,
0.3466

■ 29.4122, 0.2453,
0.3838


■ 34.7404, 0.2891,
0.3402


■ 29.0993, 0.2441,
0.3916

■ 36.3240, 0.3006,
0.3343

■ 28.8853, 0.2443,
0.3994

■ 38.1341, 0.3127,
0.3290

 28.8853, 0.2443,
0.3994

 40.1795, 0.3251,
0.3242

 42.4685, 0.3375,
0.3199

 45.0091, 0.3499,
0.3161

 47.8088, 0.3620,
0.3128

Harmonies

Analogous

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



31.2496, 0.3024, 0.4003



31.2496, 0.2602, 0.3606



31.2496, 0.2331, 0.3133

Triad

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



31.2496, 0.2602, 0.3606



31.2496, 0.2719, 0.2544



31.2496, 0.4073, 0.3725

Complementary

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



31.2496, 0.2602, 0.3606



15.2337, 0.4189, 0.3014

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.



31.2496, 0.3991, 0.3349



31.2496, 0.2602, 0.3606



31.2496, 0.3175, 0.2699

Square

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



31.2496, 0.2602, 0.3606



31.2496, 0.2396, 0.2557



31.2496, 0.3651, 0.2985



31.2496, 0.3883, 0.4030

Rectangle

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



31.2496, 0.2602, 0.3606



31.2496, 0.2261, 0.2864



31.2496, 0.3651, 0.2985



31.2496, 0.4078, 0.3603

Sweetspot

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



31.2508, 0.2602, 0.3606



64.3548, 0.2944, 0.3374



30.7444, 0.3213, 0.4767



14.2733, 0.2921, 0.3386



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.



31.2508, 0.2602, 0.3606



55.1633, 0.2528, 0.3690



24.4993, 0.2411, 0.2895



8.5038, 0.3015, 0.3339



22.4054, 0.2441, 0.3987



0.5519, 0.2369, 0.3729

Inverse Universe

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



15.2337, 0.4189, 0.3014



22.7169, 0.4579, 0.2971



18.8627, 0.4310, 0.3637



7.5680, 0.3253, 0.3241



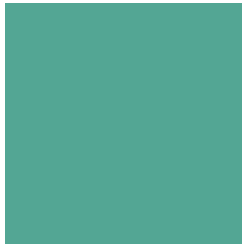
6.3913, 0.5990, 0.3073



0.1626, 0.5134, 0.2602

Previews

White Background



This preview shows how the Yxy color 31.2496, 0.2602, 0.3606 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 31.2496, 0.2602, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

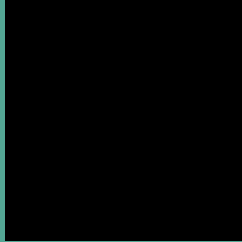
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2496, 0.2602, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 31.2496, 0.2602, 0.3606.



This preview shows how white text looks on a background with the Yxy color 31.2496, 0.2602, 0.3606.

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

31.2496, 0.2602, 0.3606

Protanopia

30.7447, 0.3295, 0.3461

Deuteranopia

30.8241, 0.3268, 0.3201



Tritanopia

31.1600, 0.2463, 0.3073

Trichromacy



Original Color

31.2496, 0.2602, 0.3606

Protanomaly

30.3971, 0.2992, 0.3521

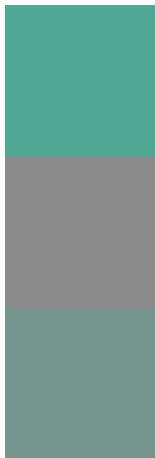
Deuteranomaly

30.1677, 0.2970, 0.3322

Tritanomaly

30.9857, 0.2511, 0.3254

Monochromacy



Original Color

31.2496, 0.2602, 0.3606

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.3698, 0.2895, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2496, 0.2602, 0.3606 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(83, 166, 148)` looks like.

```
.text, #text, p{  
    color:rgb(83, 166, 148)  
}
```

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(83, 166, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 166, 148) }
```

Border

The CSS property to change the border of an element to Yxy 31.2496, 0.2602, 0.3606 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(83, 166, 148) }
```

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

```
.border{ border-color:rgb(83, 166, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 166, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 166, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 166, 148);  
box-shadow:4px 4px 4px 4px rgb(83, 166,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2496, 0.2602, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 166, 148) }
```

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

```
.background{ background-color: rgb(83, 166,  
148) }
```

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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