

Converting Colors

$Y_{xy}(31.1621, 0.2625, 0.3640)$

Have a look what the booklet for
Yxy(31.1621, 0.2625, 0.3640)
contains.

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Color

Yxy(31.2791, 0.2628, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	55A692
RGB	85, 166, 146
RGB Percent	33%, 65%, 57%
CMY	0.6666, 0.3490, 0.4275
CMYK	0.49, 0.00, 0.12, 0.35
HSL	165°, 32%, 49%
HSV	165°, 49%, 65%
XYZ	22.5704, 31.2791, 32.0349
YIQ	139.5010, -41.8560, -23.3920

Conversions

Conversions Part 2

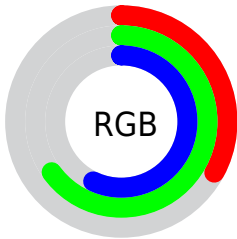
Format	Color
RYB	85, 131, 166
Decimal	5613202
CIELab	62.74, -29.78, 2.74
CIELCh	63, 29.908, 174.738
Yxy	31.2791, 0.2628, 0.3642
Android (android.graphics.Color)	4283803282 (0xFF55A692)
YUV	139.5010, 3.2040, -47.7974
Hunter-Lab	55.9277, -25.8373, 5.1886

Details

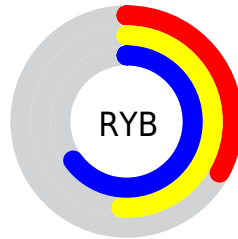
The Yxy color **31.2791, 0.2628, 0.3642** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.6269, 0.4108, 0.2982**, and the grayscale version is **26.0228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4585, 0.2729, 0.3561**, and **13.0988, 0.2458, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **30.4669, 0.2561, 0.3729**, and if you desaturate by 10%, it is **32.2807, 0.2711, 0.3559**.

Distribution



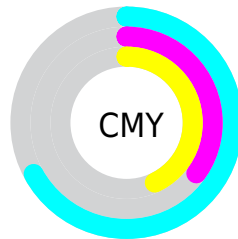
- Red (33%)
- Green (65%)
- Blue (57%)



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



- Cyan (49%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)





- Cyan (67%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2791, 0.2628, 0.3642 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 31.2791, 0.2628, 0.3642 by changing the saturation by 10% instead.

 31.2791, 0.2628,
0.3642

 31.2791, 0.2628,
0.3642


307.8221, 0.2894,
0.3452


 20.8115, 0.2556,
0.3695


 61.6792, 0.2729,
0.3569

 12.9863, 0.2459,
0.3765

 82.3805, 0.2766,
0.3543

 7.4191, 0.2323,
0.3866


 107.2618, 0.2796,
0.3522

 3.7255, 0.2120,
0.4020

 136.7075, 0.2822,
0.3503

 1.5213, 0.1738,
0.4308

171.1019, 0.2844,
0.3488

 0.3036, 0.0000,
0.6862

210.8296, 0.2863,

 0.0000, 0.0000,

0.3474

0.0000

256.2748, 0.2880,
0.3462

■ 31.2791, 0.2628,
0.3642

■ 31.2791, 0.2628,
0.3642

■ 30.4669, 0.2561,
0.3729

■ 32.2807, 0.2711,
0.3559

■ 29.8273, 0.2511,
0.3818

■ 33.4796, 0.2806,
0.3482

■ 29.3468, 0.2480,
0.3909

■ 34.8878, 0.2912,
0.3409

■ 29.0084, 0.2468,
0.3999

■ 36.5154, 0.3024,
0.3343

■ 28.7793, 0.2472,
0.4090

■ 38.3716, 0.3142,
0.3283

■ 28.7536, 0.2472,
0.4101

■ 40.4652, 0.3261,
0.3229

■ 42.8046, 0.3381,
0.3181

■ 45.3976, 0.3499,
0.3138

■ 48.2518, 0.3615,
0.3101

Harmonies

Analogous

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



31.2791, 0.3059, 0.4026



31.2791, 0.2628, 0.3642



31.2791, 0.2343, 0.3166

Triad

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



31.2791, 0.2628, 0.3642



31.2791, 0.2688, 0.2537



31.2791, 0.4080, 0.3699

Complementary

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



31.2791, 0.2628, 0.3642



15.6269, 0.4108, 0.2982

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.



31.2791, 0.3975, 0.3320



31.2791, 0.2628, 0.3642



31.2791, 0.3139, 0.2681

Square

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



31.2791, 0.2628, 0.3642



31.2791, 0.2377, 0.2563



31.2791, 0.3620, 0.2959



31.2791, 0.3908, 0.4013

Rectangle

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



31.2791, 0.2628, 0.3642



31.2791, 0.2262, 0.2889



31.2791, 0.3620, 0.2959



31.2791, 0.4077, 0.3575

Sweetspot

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



31.2803, 0.2628, 0.3642



64.3059, 0.2951, 0.3385



30.9488, 0.3225, 0.4722



14.2610, 0.2928, 0.3399



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.



31.2803, 0.2628, 0.3642



55.1229, 0.2553, 0.3740



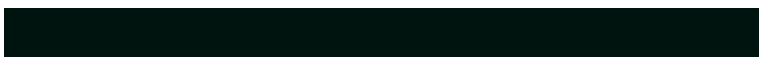
25.1677, 0.2430, 0.2931



8.4999, 0.3019, 0.3346



22.3037, 0.2470, 0.4092



0.5501, 0.2388, 0.3795

Inverse Universe

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



15.6269, 0.4108, 0.2982



23.2039, 0.4482, 0.2928



18.9196, 0.4281, 0.3609



7.5716, 0.3248, 0.3234



6.4174, 0.5898, 0.3023



0.1640, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 31.2791, 0.2628, 0.3642 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 31.2791, 0.2628, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

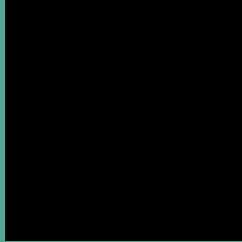
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2791, 0.2628, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 31.2791, 0.2628, 0.3642.



This preview shows how white text looks on a background with the Yxy color 31.2791, 0.2628, 0.3642.

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

31.2791, 0.2628, 0.3642

Protanopia

30.8158, 0.3316, 0.3476

Deuteranopia

30.8668, 0.3298, 0.3231



Tritanopia

31.3155, 0.2481, 0.3074

Trichromacy



Original Color

31.2791, 0.2628, 0.3642

Protanomaly

30.5253, 0.3019, 0.3537

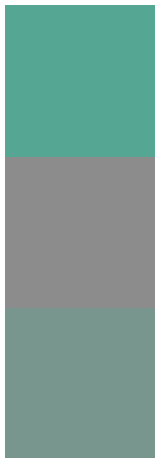
Deuteranomaly

30.2708, 0.3006, 0.3354

Tritanomaly

31.0989, 0.2536, 0.3271

Monochromacy



Original Color

31.2791, 0.2628, 0.3642

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.4410, 0.2905, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2791, 0.2628, 0.3642 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(85, 166, 146)` looks like.

```
.text, #text, p{  
    color:rgb(85, 166, 146)  
}
```

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(85, 166, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 166, 146) }
```

Border

The CSS property to change the border of an element to Yxy 31.2791, 0.2628, 0.3642 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(85, 166, 146) }
```

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

```
.border{ border-color:rgb(85, 166, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 166, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 166, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 166, 146);  
box-shadow:4px 4px 4px 4px rgb(85, 166,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2791, 0.2628, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 166, 146) }
```

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

```
.background{ background-color: rgb(85, 166,  
146) }
```

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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