

Converting Colors

$Yxy(34.8666, 0.2794, 0.3751)$

Have a look what the booklet for
Yxy(34.8666, 0.2794, 0.3751)
contains.

Yxy(34.9956, 0.2791, 0.3756)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.9956, 0.2791, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	6AAD91
RGB	106, 173, 145
RGB Percent	42%, 68%, 57%
CMY	0.5840, 0.3216, 0.4314
CMYK	0.39, 0.00, 0.16, 0.32
HSL	155°, 29%, 55%
HSV	155°, 39%, 68%
XYZ	26.0045, 34.9956, 32.1725
YIQ	149.7750, -30.9440, -22.9120

Conversions

Conversions Part 2

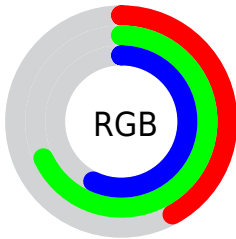
Format	Color
RYB	106, 148, 173
Decimal	6991249
CIELab	65.75, -27.76, 7.73
CIElCh	66, 28.813, 164.439
Yxy	34.9956, 0.2791, 0.3756
Android (android.graphics.Color)	4285181329 (0xFF6AAD91)
YUV	149.7750, -2.3541, -38.3907
Hunter-Lab	59.1571, -25.0593, 9.1652

Details

The Yxy color **34.9956, 0.2791, 0.3756** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9292, 0.3666, 0.2873**, and the grayscale version is **30.4261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6357, 0.2859, 0.3661**, and **15.0434, 0.2674, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **33.8249, 0.2724, 0.3902**, and if you desaturate by 10%, it is **36.3972, 0.2869, 0.3619**.

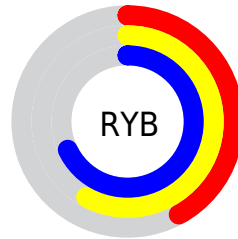
Distribution



Red (42%)

Green (68%)

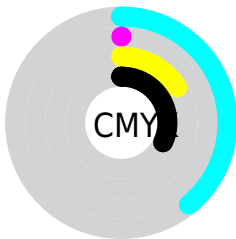
Blue (57%)



Red (42%)

Yellow (58%)

Blue (68%)

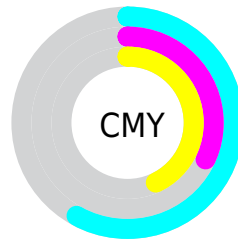


Cyan (39%)

Magenta (0%)

Yellow (16%)

Black (32%)



Cyan (58%)

Magenta (32%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9956, 0.2791, 0.3756 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 34.9956, 0.2791, 0.3756 by changing the saturation by 10% instead.


 34.9956, 0.2791,
0.3756


 34.9956, 0.2791,
0.3756


324.5489, 0.2970,
0.3505

 23.6595, 0.2742,
0.3826


 67.4790, 0.2859,
0.3660

 15.0812, 0.2677,
0.3919


 89.3950, 0.2884,
0.3625

 8.8764, 0.2585,
0.4053


 115.6064, 0.2904,
0.3597

 4.6607, 0.2447,
0.4257

 146.4977, 0.2922,
0.3572

 2.0496, 0.2218,
0.4606

182.4532, 0.2936,
0.3552

 0.6360, 0.0000,
0.8070

223.8573, 0.2949,

 0.0000, 0.0000,

0.3534

0.0000

271.0944, 0.2960,
0.3518

■ 34.9956, 0.2791,
0.3756

■ 34.9956, 0.2791,
0.3756

■ 33.8249, 0.2724,
0.3902

■ 36.3972, 0.2869,
0.3619

■ 32.8676, 0.2671,
0.4057

■ 38.0376, 0.2955,
0.3494

■ 32.1106, 0.2635,
0.4217


■ 39.9293, 0.3046,
0.3380


■ 31.5374, 0.2618,
0.4378


■ 42.0830, 0.3140,
0.3277


■ 31.1287, 0.2621,
0.4539

■ 44.5084, 0.3234,
0.3186


 30.8499, 0.2640,
0.4695

 47.2150, 0.3328,
0.3105

 30.8165, 0.2643,
0.4716

 50.2117, 0.3419,
0.3033

 53.5069, 0.3508,
0.2971

 55.8033, 0.3535,
0.2908

Harmonies

Analogous

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



34.9956, 0.3218, 0.4041



34.9956, 0.2791, 0.3756



34.9956, 0.2469, 0.3327

Triad

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



34.9956, 0.2791, 0.3756



34.9956, 0.2601, 0.2576



34.9956, 0.4008, 0.3556

Complementary

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



34.9956, 0.2791, 0.3756



20.9292, 0.3666, 0.2873

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.



34.9956, 0.3822, 0.3200



34.9956, 0.2791, 0.3756



34.9956, 0.2986, 0.2658

Square

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



34.9956, 0.2791, 0.3756



34.9956, 0.2367, 0.2662



34.9956, 0.3438, 0.2881



34.9956, 0.3934, 0.3879

Rectangle

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



34.9956, 0.2791, 0.3756



34.9956, 0.2348, 0.3046



34.9956, 0.3438, 0.2881



34.9956, 0.3974, 0.3437

Sweetspot

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



34.9970, 0.2791, 0.3756



70.2718, 0.3013, 0.3419



36.0829, 0.3327, 0.4358



15.1790, 0.3002, 0.3433



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.



34.9970, 0.2791, 0.3756



60.9497, 0.2736, 0.3874



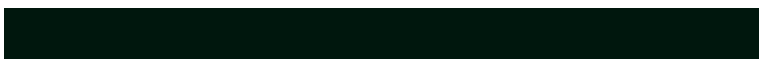
34.2870, 0.2589, 0.3217



9.0146, 0.3040, 0.3387



22.6533, 0.2639, 0.4699



0.6408, 0.2506, 0.4223

Inverse Universe

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



20.9292, 0.3666, 0.2873



32.3219, 0.3834, 0.2787



21.1927, 0.4039, 0.3360



8.0688, 0.3223, 0.3196



6.8849, 0.5265, 0.2674



0.2026, 0.4494, 0.2249

Previews

White Background



This preview shows how the Yxy color 34.9956, 0.2791, 0.3756 looks on a white background.

Color Contrast Check

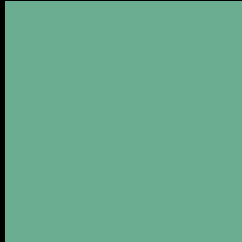
Large Text (above 18pt) WCAG AA × Fail

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 34.9956, 0.2791, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

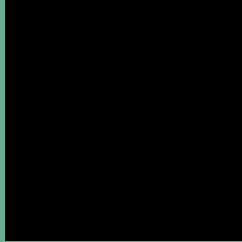
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9956, 0.2791, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 34.9956, 0.2791, 0.3756.



This preview shows how white text looks on a background with the Yxy color 34.9956, 0.2791, 0.3756.

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

34.9956, 0.2791, 0.3756

Protanopia

34.8467, 0.3401, 0.3600

Deuteranopia

34.4174, 0.3421, 0.3347



Tritanopia

34.9863, 0.2596, 0.3087

Trichromacy



Original Color

34.9956, 0.2791, 0.3756

Protanomaly

34.4937, 0.3148, 0.3648

Deuteranomaly

33.9551, 0.3157, 0.3473

Tritanomaly

35.0213, 0.2667, 0.3321

Monochromacy



Original Color

34.9956, 0.2791, 0.3756

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6602, 0.2987, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9956, 0.2791, 0.3756 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(106, 173, 145)` looks like.

```
.text, #text, p{  
    color:rgb(106, 173, 145)  
}
```

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(106, 173, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 173, 145) }
```

Border

The CSS property to change the border of an element to Yxy 34.9956, 0.2791, 0.3756 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(106, 173, 145) }
```

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

```
.border{ border-color:rgb(106, 173, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 173, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 173, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 173, 145);  
box-shadow:4px 4px 4px 4px rgb(106, 173,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9956, 0.2791, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 173, 145) }
```

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

```
.background{ background-color: rgb(106,  
173, 145) }
```

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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