

Converting Colors

$Y_{xy}(30.2955, 0.3284, 0.3940)$

Have a look what the booklet for
Yxy(30.2955, 0.3284, 0.3940)
contains.

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Color

Yxy(30.2955, 0.3284, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	889C75
RGB	136, 156, 117
RGB Percent	53%, 61%, 46%
CMY	0.4667, 0.3882, 0.5412
CMYK	0.13, 0.00, 0.25, 0.39
HSL	91°, 16%, 54%
HSV	91°, 25%, 61%
XYZ	25.2514, 30.2955, 21.3453
YIQ	145.5740, 0.5990, -16.3690

Conversions

Conversions Part 2

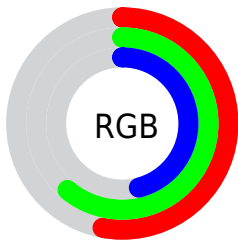
Format	Color
RYB	117, 156, 137
Decimal	8952949
CIELab	61.91, -14.38, 18.14
CIELCh	62, 23.151, 128.407
Yxy	30.2955, 0.3284, 0.3940
Android (android.graphics.Color)	4287143029 (0xFF889C75)
YUV	145.5740, -14.0870, -8.3964
Hunter-Lab	55.0413, -14.4317, 15.5360

Details

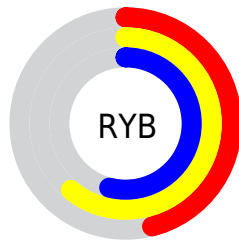
The Yxy color **30.2955, 0.3284, 0.3940** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.4421, 0.2933, 0.2644**, and the grayscale version is **28.6196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4003, 0.3260, 0.3809**, and **12.4989, 0.3334, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **29.3146, 0.3341, 0.4229**, and if you desaturate by 10%, it is **31.3903, 0.3223, 0.3666**.

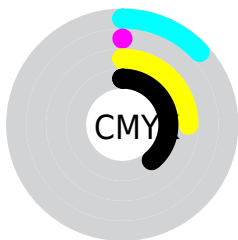
Distribution



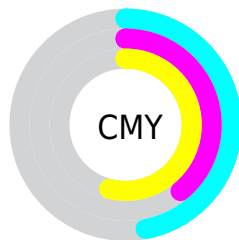
- Red (53%)
- Green (61%)
- Blue (46%)



- Red (46%)
- Yellow (61%)
- Blue (54%)



- Cyan (13%)
- Magenta (0%)
- Yellow (25%)
- Black (39%)





- Cyan (47%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2955, 0.3284, 0.3940 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 30.2955, 0.3284, 0.3940 by changing the saturation by 10% instead.


 30.2955, 0.3284,
0.3940

 30.2955, 0.3284,
0.3940


303.2794, 0.3206,
0.3582


 20.0630, 0.3303,
0.4042


 60.1292, 0.3256,
0.3801

 12.4408, 0.3325,
0.4180


 80.4991, 0.3245,
0.3752

 7.0447, 0.3353,
0.4381


 105.0170, 0.3236,
0.3711

 3.4900, 0.3382,
0.4692

134.0673, 0.3228,
0.3677

 1.3926, 0.3668,
0.5654

168.0342, 0.3222,
0.3648

 0.2113, 0.0000,
1.0000

207.3023, 0.3216,

 0.0000, 0.0000,

0.3623

0.0000

252.2559, 0.3210,
0.3601

■ 30.2955, 0.3284,
0.3940

■ 30.2955, 0.3284,
0.3940

■ 29.3146, 0.3341,
0.4229

■ 31.3903, 0.3223,
0.3666

■ 28.4394, 0.3389,
0.4523

■ 32.5989, 0.3159,
0.3410

■ 27.6669, 0.3424,
0.4814

■ 33.9262, 0.3096,
0.3176

■ 26.9924, 0.3443,
0.5085

■ 35.3758, 0.3034,
0.2963

■ 26.4105, 0.3443,
0.5324

■ 36.9510, 0.2975,
0.2773

■ 25.9154, 0.3421,
0.5517

■ 38.6549, 0.2919,
0.2602

■ 25.4998, 0.3380,
0.5657

■ 40.4907, 0.2867,
0.2450

■ 25.3139, 0.3357,
0.5716

■ 42.4613, 0.2818,
0.2314

■ 44.4137, 0.2790,
0.2214

Harmonies

Analogous

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



30.2955, 0.3625, 0.3932



30.2955, 0.3284, 0.3940



30.2955, 0.2914, 0.3740

Triad

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



30.2955, 0.3284, 0.3940



30.2955, 0.2458, 0.2793



30.2955, 0.3658, 0.3157

Complementary

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



30.2955, 0.3284, 0.3940



20.4421, 0.2933, 0.2644

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.



30.2955, 0.3315, 0.2895



30.2955, 0.3284, 0.3940



30.2955, 0.2629, 0.2684

Square

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



30.2955, 0.3284, 0.3940



30.2955, 0.2452, 0.3047



30.2955, 0.2937, 0.2725



30.2955, 0.3854, 0.3462

Rectangle

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



30.2955, 0.3284, 0.3940



30.2955, 0.2701, 0.3521



30.2955, 0.2937, 0.2725



30.2955, 0.3555, 0.3062

Sweetspot

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



30.2968, 0.3284, 0.3940



58.4885, 0.3179, 0.3488



26.1029, 0.3563, 0.3605



12.8005, 0.3188, 0.3524



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.2968, 0.3284, 0.3940



54.0014, 0.3316, 0.4100



28.8451, 0.3095, 0.3979



7.5516, 0.3186, 0.3516



20.8696, 0.3362, 0.5712



0.3983, 0.3679, 0.5461

Inverse Universe

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



20.4421, 0.2933, 0.2644



32.9664, 0.2879, 0.2485



22.1911, 0.3156, 0.2686



6.5942, 0.3064, 0.3064



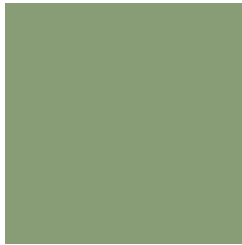
3.4042, 0.2069, 0.0913



0.0860, 0.2513, 0.1158

Previews

White Background



This preview shows how the Yxy color 30.2955, 0.3284, 0.3940 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 30.2955, 0.3284, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

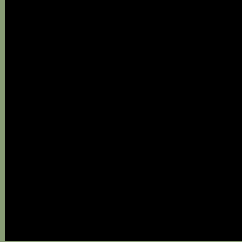
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2955, 0.3284, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 30.2955, 0.3284, 0.3940.



This preview shows how white text looks on a background with the Yxy color 30.2955, 0.3284, 0.3940.

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

30.2955, 0.3284, 0.3940

Protanopia

30.1834, 0.3593, 0.3834

Deuteranopia

29.9997, 0.3712, 0.3631



Tritanopia

30.2610, 0.2949, 0.3103

Trichromacy



Original Color

30.2955, 0.3284, 0.3940

Protanomaly

30.2736, 0.3473, 0.3882

Deuteranomaly

29.9853, 0.3546, 0.3741

Tritanomaly

30.1072, 0.3063, 0.3386

Monochromacy



Original Color

30.2955, 0.3284, 0.3940

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3127, 0.3187, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2955, 0.3284, 0.3940 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(136, 156, 117)` looks like.

```
.text, #text, p{  
    color:rgb(136, 156, 117)  
}
```

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(136, 156, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 156, 117) }
```

Border

The CSS property to change the border of an element to Yxy 30.2955, 0.3284, 0.3940 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(136, 156, 117) }
```

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

```
.border{ border-color:rgb(136, 156, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 156, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 156, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 156, 117);  
box-shadow:4px 4px 4px 4px rgb(136, 156,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2955, 0.3284, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 156, 117) }
```

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

```
.background{ background-color: rgb(136,  
156, 117) }
```

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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