

Converting Colors

$Yxy(37.1916, 0.2942, 0.3726)$

Have a look what the booklet for
Yxy(37.1916, 0.2942, 0.3726)
contains.

Yxy(37.3557, 0.2947, 0.3731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3557, 0.2947, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	80AF93
RGB	128, 175, 147
RGB Percent	50%, 69%, 58%
CMY	0.4978, 0.3138, 0.4235
CMYK	0.27, 0.00, 0.16, 0.31
HSL	144°, 23%, 59%
HSV	144°, 27%, 69%
XYZ	29.5061, 37.3557, 33.2607
YIQ	157.7550, -19.0240, -18.6720

Conversions

Conversions Part 2

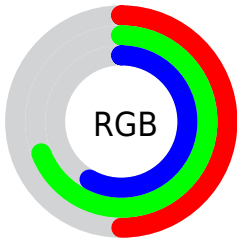
Format	Color
RYB	128, 161, 175
Decimal	8433555
CIELab	67.54, -21.55, 9.34
CIElCh	68, 23.484, 156.554
Yxy	37.3557, 0.2947, 0.3731
Android (android.graphics.Color)	4286623635 (0xFF80AF93)
YUV	157.7550, -5.3022, -26.0951
Hunter-Lab	61.1193, -20.7857, 10.5183

Details

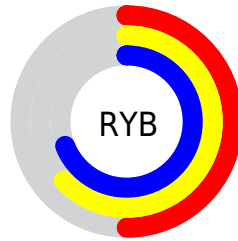
The Yxy color **37.3557, 0.2947, 0.3731** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.9707, 0.3363, 0.2887**, and the grayscale version is **34.1127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3140, 0.2985, 0.3645**, and **16.3414, 0.2885, 0.3886** is the 20% darker color. If you saturate the color by 10%, you get **35.8015, 0.2887, 0.3928**, and if you desaturate by 10%, it is **39.1768, 0.3012, 0.3551**.

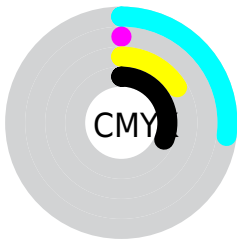
Distribution



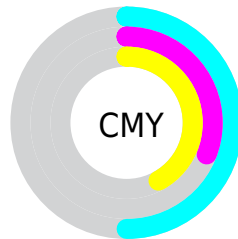
- Red (50%)
- Green (69%)
- Blue (58%)



- Red (50%)
- Yellow (63%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (50%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3557, 0.2947, 0.3731 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 37.3557, 0.2947, 0.3731 by changing the saturation by 10% instead.


 37.3557, 0.2947,
0.3731


 37.3557, 0.2947,
0.3731


334.8480, 0.3044,
0.3496


 25.4830, 0.2921,
0.3795


 71.1195, 0.2984,
0.3642

 16.4373, 0.2885,
0.3881


 93.7794, 0.2997,
0.3609

 9.8341, 0.2835,
0.4002


 120.8039, 0.3008,
0.3582

 5.2891, 0.2758,
0.4184

152.5773, 0.3017,
0.3560

 2.4179, 0.2630,
0.4489

189.4840, 0.3025,
0.3540

 0.8351, 0.1970,
0.6146

231.9084, 0.3032,

 0.0000, 0.0000,

0.3523

0.0000

280.2349, 0.3038,
0.3509

■ 37.3557, 0.2947,
0.3731

■ 37.3557, 0.2947,
0.3731

■ 35.8015, 0.2887,
0.3928

■ 39.1768, 0.3012,
0.3551

■ 34.4967, 0.2835,
0.4140

■ 41.2721, 0.3080,
0.3390

■ 33.4290, 0.2795,
0.4364

■ 43.6542, 0.3149,
0.3246

■ 32.5831, 0.2770,
0.4595

■ 46.3337, 0.3217,
0.3119

■ 31.9418, 0.2761,
0.4824

■ 49.3206, 0.3283,
0.3007

■ 31.4853, 0.2771,
0.5044

■ 52.6244, 0.3347,
0.2910

■ 31.1858, 0.2799,
0.5247

■ 56.2542, 0.3408,
0.2824

■ 31.1063, 0.2808,
0.5309

■ 57.6572, 0.3358,
0.2730

■ 58.2629, 0.3273,
0.2633

Harmonies

Analogous

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



37.3557, 0.3299, 0.3908



37.3557, 0.2947, 0.3731



37.3557, 0.2655, 0.3415

Triad

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



37.3557, 0.2947, 0.3731



37.3557, 0.2641, 0.2717



37.3557, 0.3808, 0.3437

Complementary

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



37.3557, 0.2947, 0.3731



26.9707, 0.3363, 0.2887

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.



37.3557, 0.3612, 0.3148



37.3557, 0.2947, 0.3731



37.3557, 0.2927, 0.2747

Square

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



37.3557, 0.2947, 0.3731



37.3557, 0.2487, 0.2831



37.3557, 0.3283, 0.2902



37.3557, 0.3807, 0.3709

Rectangle

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



37.3557, 0.2947, 0.3731



37.3557, 0.2529, 0.3186



37.3557, 0.3283, 0.2902



37.3557, 0.3763, 0.3340

Sweetspot

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



37.3573, 0.2947, 0.3731



73.4003, 0.3071, 0.3410



39.3064, 0.3346, 0.3987



16.1851, 0.3061, 0.3433



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.3573, 0.2947, 0.3731



65.2584, 0.2912, 0.3842



38.1641, 0.2776, 0.3360



8.9909, 0.3063, 0.3428



22.2905, 0.2802, 0.5287



0.6311, 0.2626, 0.4653

Inverse Universe

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



26.9707, 0.3363, 0.2887



43.6023, 0.3428, 0.2798



26.2555, 0.3635, 0.3222



8.0925, 0.3197, 0.3156



7.2604, 0.4529, 0.2269



0.2124, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 37.3557, 0.2947, 0.3731 looks on a white background.

Color Contrast Check

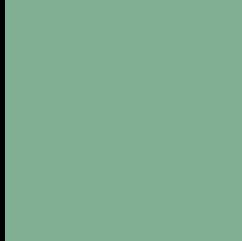
Large Text (above 18pt) WCAG AA × Fail

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 37.3557, 0.2947, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

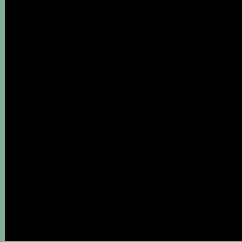
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3557, 0.2947, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 37.3557, 0.2947, 0.3731.



This preview shows how white text looks on a background with the Yxy color 37.3557, 0.2947, 0.3731.

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

37.3557, 0.2947, 0.3731

Protanopia

36.8881, 0.3414, 0.3606

Deuteranopia

37.0024, 0.3462, 0.3387



Tritanopia

37.3192, 0.2731, 0.3097

Trichromacy



Original Color

37.3557, 0.2947, 0.3731

Protanomaly

36.6885, 0.3232, 0.3649

Deuteranomaly

36.6454, 0.3251, 0.3494

Tritanomaly

37.3129, 0.2804, 0.3319

Monochromacy



Original Color

37.3557, 0.2947, 0.3731

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0871, 0.3055, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3557, 0.2947, 0.3731 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(128, 175, 147)` looks like.

```
.text, #text, p{  
    color:rgb(128, 175, 147)  
}
```

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(128, 175, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 175, 147) }
```

Border

The CSS property to change the border of an element to Yxy 37.3557, 0.2947, 0.3731 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(128, 175, 147) }
```

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

```
.border{ border-color:rgb(128, 175, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 175, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 175, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 175, 147);  
box-shadow:4px 4px 4px 4px rgb(128, 175,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3557, 0.2947, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 175, 147) }
```

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

```
.background{ background-color: rgb(128,  
175, 147) }
```

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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