

Converting Colors

$Yxy(37.1418, 0.3784, 0.4497)$

Have a look what the booklet for
Yxy(37.1418, 0.3784, 0.4497)
contains.

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Color

Yxy(37.2978, 0.3785, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	A4AA55
RGB	164, 170, 85
RGB Percent	64%, 67%, 33%
CMY	0.3567, 0.3334, 0.6666
CMYK	0.04, 0.00, 0.50, 0.33
HSL	64°, 33%, 50%
HSV	64°, 50%, 67%
XYZ	31.3298, 37.2978, 14.1460
YIQ	158.5160, 23.7090, -27.7070

Conversions

Conversions Part 2

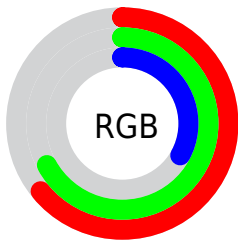
Format	Color
RYB	85, 170, 91
Decimal	10791509
CIELab	67.50, -14.52, 42.67
CIELCh	67, 45.074, 108.796
Yxy	37.2978, 0.3785, 0.4506
Android (android.graphics.Color)	4288981589 (0xFFA4AA55)
YUV	158.5160, -36.2434, 4.8095
Hunter-Lab	61.0719, -15.3056, 29.0171

Details

The Yxy color **37.2978, 0.3785, 0.4506** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.6255, 0.2247, 0.1763**, and the grayscale version is **34.6025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8722, 0.3673, 0.4270**, and **16.3932, 0.3925, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **36.9346, 0.3888, 0.4710**, and if you desaturate by 10%, it is **37.7305, 0.3665, 0.4277**.

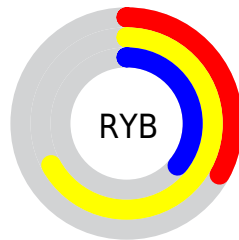
Distribution



Red (64%)

Green (67%)

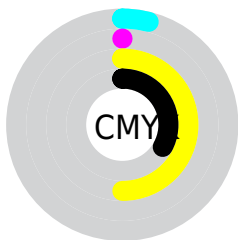
Blue (33%)



Red (33%)

Yellow (67%)

Blue (36%)

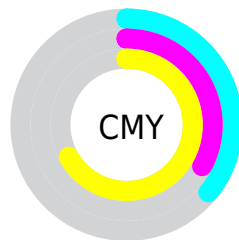


Cyan (4%)

Magenta (0%)

Yellow (50%)

Black (33%)



Cyan (36%)


Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2978, 0.3785, 0.4506 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 37.2978, 0.3785, 0.4506 by changing the saturation by 10% instead.


 37.2978, 0.3785,
0.4506


 37.2978, 0.3785,
0.4506


334.5980, 0.3470,
0.3872

 25.4381, 0.3852,
0.4666


 71.0306, 0.3677,
0.4273

 16.4038, 0.3928,
0.4867

 93.6725, 0.3635,
0.4186


 9.8103, 0.4008,
0.5126


 120.6772, 0.3598,
0.4113

 5.2734, 0.4125,
0.5527

 152.4293, 0.3566,
0.4050

 2.4085, 0.4088,
0.5912

 189.3130, 0.3537,
0.3997

 0.8303, 0.3436,
0.6564

231.7128, 0.3512,

 0.0000, 0.0000,

0.3950

0.0000

280.0130, 0.3490,
0.3909

■ 37.2978, 0.3785,
0.4506

■ 37.2978, 0.3785,
0.4506

■ 36.9346, 0.3888,
0.4710

■ 37.7305, 0.3665,
0.4277

■ 36.6310, 0.3970,
0.4880

■ 38.2319, 0.3535,
0.4032

■ 36.3835, 0.4027,
0.5009


■ 38.8076, 0.3399,
0.3781


■ 36.1856, 0.4059,
0.5096


■ 39.4611, 0.3261,
0.3531


■ 36.0235, 0.4072,
0.5149

■ 40.1959, 0.3127,
0.3290

 36.0233, 0.4072,
0.5149

 41.0150, 0.2998,
0.3060

 41.9216, 0.2877,
0.2846

 42.9185, 0.2764,
0.2649

 44.0083, 0.2660,
0.2468

Harmonies

Analogous

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



37.2978, 0.4286, 0.4195



37.2978, 0.3785, 0.4506



37.2978, 0.3138, 0.4443

Triad

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



37.2978, 0.3785, 0.4506



37.2978, 0.1938, 0.2640



37.2978, 0.3691, 0.2743

Complementary

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



37.2978, 0.3785, 0.4506



11.6255, 0.2247, 0.1763

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.



37.2978, 0.2996, 0.2406



37.2978, 0.3785, 0.4506



37.2978, 0.2046, 0.2318

Square

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



37.2978, 0.3785, 0.4506



37.2978, 0.2097, 0.3222



37.2978, 0.2409, 0.2251



37.2978, 0.4261, 0.3203

Rectangle

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



37.2978, 0.3785, 0.4506



37.2978, 0.2713, 0.4142



37.2978, 0.2409, 0.2251



37.2978, 0.3460, 0.2614

Sweetspot

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



37.2995, 0.3785, 0.4506



70.9586, 0.3334, 0.3663



16.6301, 0.4456, 0.3379



15.7708, 0.3362, 0.3714



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.



37.2995, 0.3785, 0.4506



66.9529, 0.3898, 0.4730



33.5296, 0.3366, 0.4699



8.7466, 0.3252, 0.3514



26.5111, 0.4073, 0.5148



0.6527, 0.4116, 0.5114

Inverse Universe

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



11.6255, 0.2247, 0.1763



14.9685, 0.2025, 0.1393



14.4029, 0.2718, 0.1937



7.3248, 0.2996, 0.3057



2.2019, 0.1528, 0.0615



0.0612, 0.1654, 0.0685

Previews

White Background



This preview shows how the Yxy color 37.2978, 0.3785, 0.4506 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 37.2978, 0.3785, 0.4506 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 37.2978, 0.3785, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 37.2978, 0.3785, 0.4506.



This preview shows how white text looks on a background with the Yxy color 37.2978, 0.3785, 0.4506.

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

37.2978, 0.3785, 0.4506

Protanopia

36.9992, 0.4014, 0.4382

Deuteranopia

37.2360, 0.4232, 0.4157



Tritanopia

37.1574, 0.3145, 0.3111

Trichromacy



Original Color

37.2978, 0.3785, 0.4506

Protanomaly

37.0265, 0.3931, 0.4422

Deuteranomaly

37.2201, 0.4070, 0.4281

Tritanomaly

37.0201, 0.3391, 0.3622

Monochromacy



Original Color

37.2978, 0.3785, 0.4506

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4374, 0.3386, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2978, 0.3785, 0.4506 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(164, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 85)  
}
```

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(164, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 85) }
```

Border

The CSS property to change the border of an element to Yxy 37.2978, 0.3785, 0.4506 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(164, 170, 85) }
```

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

```
.border{ border-color:rgb(164, 170, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 170, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(164, 170,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2978, 0.3785, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 85) }
```

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

```
.background{ background-color: rgb(164,  
170, 85) }
```

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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