

Converting Colors

$Y_{xy}(37.2299, 0.4032, 0.4111)$

Have a look what the booklet for
Yxy(37.2299, 0.4032, 0.4111)
contains.

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Color

Yxy(37.2299, 0.4032, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	C0A062
RGB	192, 160, 98
RGB Percent	75%, 63%, 38%
CMY	0.2470, 0.3725, 0.6157
CMYK	0.00, 0.17, 0.49, 0.25
HSL	40°, 43%, 57%
HSV	40°, 49%, 75%
XYZ	36.5145, 37.2299, 16.8173
YIQ	162.5000, 38.9740, -12.4980

Conversions

Conversions Part 2

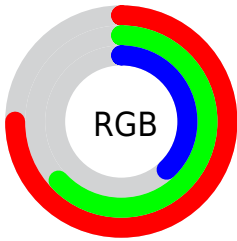
Format	Color
RYB	147, 192, 98
Decimal	12623970
CIELab	67.45, 3.78, 36.57
CIElCh	67, 36.766, 84.093
Yxy	37.2299, 0.4032, 0.4111
Android (android.graphics.Color)	4290814050 (0xFFC0A062)
YUV	162.5000, -31.7985, 25.8715
Hunter-Lab	61.0163, 0.0426, 26.3699

Details

The Yxy color **37.2299, 0.4032, 0.4111** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **22.3692, 0.2302, 0.2285**, and the grayscale version is **36.5179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1269, 0.3861, 0.3967**, and **16.3933, 0.4281, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **34.7043, 0.4244, 0.4256**, and if you desaturate by 10%, it is **39.9652, 0.3823, 0.3948**.

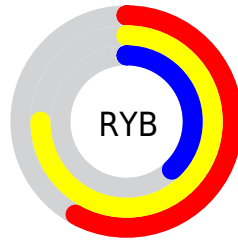
Distribution



Red (75%)

Green (63%)

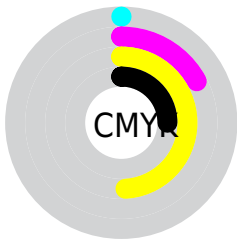
Blue (38%)



Red (58%)

Yellow (75%)

Blue (38%)

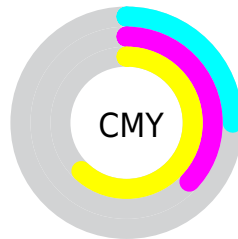


Cyan (0%)

Magenta (17%)

Yellow (49%)

Black (25%)



Cyan (25%)


Magenta (37%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2299, 0.4032, 0.4111 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 37.2299, 0.4032, 0.4111 by changing the saturation by 10% instead.


 37.2299, 0.4032,
0.4111


 37.2299, 0.4032,
0.4111


334.3048, 0.3572,
0.3702

 25.3855, 0.4144,
0.4208


 70.9262, 0.3866,
0.3965

 16.3645, 0.4285,
0.4326


 93.5470, 0.3803,
0.3909

 9.7825, 0.4462,
0.4470


 120.5287, 0.3750,
0.3862

 5.2550, 0.4689,
0.4646

 152.2557, 0.3704,
0.3821

 2.3976, 0.5067,
0.4933

189.1124, 0.3664,
0.3785

 0.8247, 0.5153,
0.4847

231.4832, 0.3630,

 0.0000, 0.0000,

0.3754

0.0000

279.7526, 0.3599,
0.3727

■ 37.2299, 0.4032,
0.4111

■ 37.2299, 0.4032,
0.4111

■ 34.7043, 0.4244,
0.4256

■ 39.9652, 0.3823,
0.3948

■ 32.3749, 0.4451,
0.4371

■ 42.9124, 0.3623,
0.3776

■ 30.2345, 0.4641,
0.4445


■ 46.0802, 0.3437,
0.3603


■ 28.2728, 0.4805,
0.4471

■ 49.4751, 0.3266,
0.3435

■ 26.4733, 0.4940,
0.4451

■ 53.1032, 0.3112,
0.3274

 26.2929, 0.4954,
0.4448

 56.9705, 0.2973,
0.3123

 61.0825, 0.2850,
0.2982

 65.4446, 0.2740,
0.2853

 69.0018, 0.2728,
0.2892

Harmonies

Analogous

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



37.2299, 0.4231, 0.3738



37.2299, 0.4032, 0.4111



37.2299, 0.3594, 0.4297

Triad

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



37.2299, 0.4032, 0.4111



37.2299, 0.2232, 0.3150



37.2299, 0.3124, 0.2589

Complementary

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



37.2299, 0.4032, 0.4111



22.3692, 0.2302, 0.2285

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.



37.2299, 0.2610, 0.2429



37.2299, 0.4032, 0.4111



37.2299, 0.2132, 0.2700

Square

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



37.2299, 0.4032, 0.4111



37.2299, 0.2557, 0.3712



37.2299, 0.2263, 0.2458



37.2299, 0.3686, 0.2900

Rectangle

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



37.2299, 0.4032, 0.4111



37.2299, 0.3235, 0.4247



37.2299, 0.2263, 0.2458



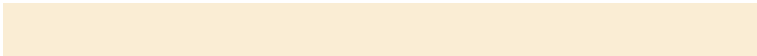
37.2299, 0.2940, 0.2517

Sweetspot

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



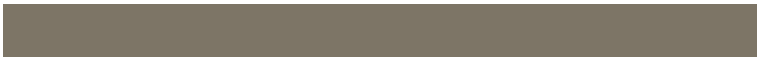
37.2317, 0.4032, 0.4111



85.7289, 0.3371, 0.3540



21.5791, 0.3984, 0.2847



18.1157, 0.3408, 0.3576



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.2317, 0.4032, 0.4111



62.4468, 0.4265, 0.4268



48.0365, 0.3710, 0.4524



11.1621, 0.3273, 0.3441



17.8406, 0.4942, 0.4458



0.8945, 0.4735, 0.4622

Inverse Universe

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



22.3692, 0.2302, 0.2285



32.4163, 0.2114, 0.2009



15.9935, 0.2327, 0.1808



10.2960, 0.2984, 0.3134



5.2639, 0.1643, 0.1116



0.3566, 0.1773, 0.1582

Previews

White Background



This preview shows how the Yxy color 37.2299, 0.4032, 0.4111 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 37.2299, 0.4032, 0.4111 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 37.2299, 0.4032, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 37.2299, 0.4032, 0.4111.



This preview shows how white text looks on a background with the Yxy color 37.2299, 0.4032, 0.4111.

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

37.2299, 0.4032, 0.4111

Protanopia

37.1743, 0.3865, 0.4177

Deuteranopia

37.1569, 0.4115, 0.4039



Tritanopia

37.1426, 0.3479, 0.3135

Trichromacy



Original Color

37.2299, 0.4032, 0.4111

Protanomaly

37.2856, 0.3921, 0.4164

Deuteranomaly

37.0903, 0.4078, 0.4061

Tritanomaly

37.0719, 0.3693, 0.3491

Monochromacy



Original Color

37.2299, 0.4032, 0.4111

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.7034, 0.3455, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2299, 0.4032, 0.4111 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(192, 160, 98)` looks like.

```
.text, #text, p{  
    color:rgb(192, 160, 98)  
}
```

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(192, 160, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 160, 98) }
```

Border

The CSS property to change the border of an element to Yxy 37.2299, 0.4032, 0.4111 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(192, 160, 98) }
```

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

```
.border{ border-color:rgb(192, 160, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 160, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 160, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 160, 98);  
box-shadow:4px 4px 4px 4px rgb(192, 160,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2299, 0.4032, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 160, 98) }
```

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

```
.background{ background-color: rgb(192,  
160, 98) }
```

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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