

Converting Colors

$Yxy(30.0303, 0.3677, 0.4097)$

Have a look what the booklet for
Yxy(30.0303, 0.3677, 0.4097)
contains.

Yxy(30.1212, 0.3677, 0.4090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1212, 0.3677, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	9C9764
RGB	156, 151, 100
RGB Percent	61%, 59%, 39%
CMY	0.3882, 0.4078, 0.6078
CMYK	0.00, 0.03, 0.36, 0.39
HSL	55°, 22%, 50%
HSV	55°, 36%, 61%
XYZ	27.0796, 30.1212, 16.4451
YIQ	146.6810, 19.3510, -14.8010

Conversions

Conversions Part 2

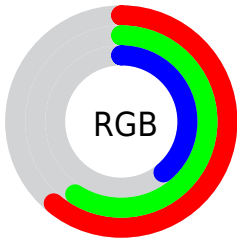
Format	Color
RYB	105, 156, 100
Decimal	10262372
CIELab	61.76, -6.16, 27.56
CIELCh	62, 28.237, 102.600
Yxy	30.1212, 0.3677, 0.4090
Android (android.graphics.Color)	4288452452 (0xFF9C9764)
YUV	146.6810, -23.0137, 8.1728
Hunter-Lab	54.8828, -7.9715, 20.6522

Details

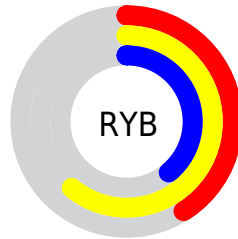
The Yxy color **30.1212, 0.3677, 0.4090** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2190, 0.2507, 0.2339**, and the grayscale version is **29.1314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7459, 0.3572, 0.3931**, and **12.3053, 0.3855, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **29.4016, 0.3830, 0.4302**, and if you desaturate by 10%, it is **30.9067, 0.3520, 0.3867**.

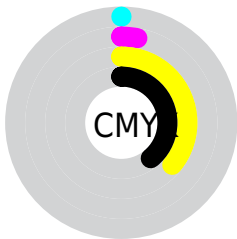
Distribution



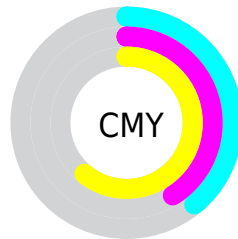
- Red (61%)
- Green (59%)
- Blue (39%)



- Red (41%)
- Yellow (61%)
- Blue (39%)



- Cyan (0%)
- Magenta (3%)
- Yellow (36%)
- Black (39%)



- Cyan (39%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1212, 0.3677, 0.4090 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 30.1212, 0.3677, 0.4090 by changing the saturation by 10% instead.

30.1212, 0.3677,
0.4090

30.1212, 0.3677,
0.4090

302.4690, 0.3390,
0.3659

19.9306, 0.3750,
0.4206

59.8538, 0.3571,
0.3927

12.3446, 0.3844,
0.4360

80.1646, 0.3531,
0.3867

6.9788, 0.3965,
0.4570

104.6176, 0.3498,
0.3818

3.4489, 0.4133,
0.4882

133.5971, 0.3470,
0.3776

1.3703, 0.4478,
0.5522

167.4876, 0.3446,
0.3741

0.1947, 0.1512,
0.8488

206.6735, 0.3425,

0.0000, 0.0000,

0.3710

0.0000

251.5392, 0.3406,
0.3683

■ 30.1212, 0.3677,
0.4090

■ 30.1212, 0.3677,
0.4090

■ 29.4016, 0.3830,
0.4302

■ 30.9067, 0.3520,
0.3867

■ 28.7406, 0.3972,
0.4494

■ 31.7571, 0.3364,
0.3640

■ 28.1357, 0.4099,
0.4657

■ 32.6765, 0.3213,
0.3418

■ 27.5829, 0.4204,
0.4783

■ 33.6678, 0.3069,
0.3203

■ 27.0774, 0.4283,
0.4867


■ 34.7334, 0.2935,
0.3001

 26.6128, 0.4338,
0.4909

 35.8757, 0.2811,
0.2812

 26.4277, 0.4357,
0.4922

 37.0970, 0.2698,
0.2637

 38.3995, 0.2595,
0.2477

 39.7852, 0.2502,
0.2331

Harmonies

Analogous

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



30.1212, 0.3970, 0.3877



30.1212, 0.3677, 0.4090



30.1212, 0.3248, 0.4075

Triad

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



30.1212, 0.3677, 0.4090



30.1212, 0.2301, 0.2934



30.1212, 0.3418, 0.2852

Complementary

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



30.1212, 0.3677, 0.4090



15.2190, 0.2507, 0.2339

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.



30.1212, 0.2954, 0.2631



30.1212, 0.3677, 0.4090



30.1212, 0.2337, 0.2655

Square

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



30.1212, 0.3677, 0.4090



30.1212, 0.2465, 0.3355



30.1212, 0.2566, 0.2557



30.1212, 0.3824, 0.3174

Rectangle

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



30.1212, 0.3677, 0.4090



30.1212, 0.2947, 0.3914



30.1212, 0.2566, 0.2557



30.1212, 0.3262, 0.2765

Sweetspot

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



30.1226, 0.3677, 0.4090



58.4330, 0.3292, 0.3535



17.2180, 0.3874, 0.3199



12.8126, 0.3311, 0.3563



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.



30.1226, 0.3677, 0.4090



53.6492, 0.3799, 0.4260



29.7389, 0.3412, 0.4234



7.6187, 0.3263, 0.3492



21.7896, 0.4356, 0.4923



0.4163, 0.4284, 0.4981

Inverse Universe

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



15.2190, 0.2507, 0.2339



22.5415, 0.2347, 0.2086



15.6845, 0.2749, 0.2312



6.5261, 0.2987, 0.3080



2.2596, 0.1521, 0.0676



0.0651, 0.1617, 0.1019

Previews

White Background



This preview shows how the Yxy color 30.1212, 0.3677, 0.4090 looks on a white background.

Color Contrast Check

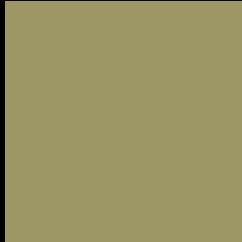
Large Text (above 18pt) WCAG AA × Fail

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 30.1212, 0.3677, 0.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

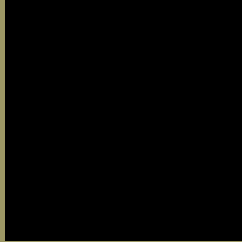
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1212, 0.3677, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 30.1212, 0.3677, 0.4090.



This preview shows how white text looks on a background with the Yxy color 30.1212, 0.3677, 0.4090.

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

30.1212, 0.3677, 0.4090

Protanopia

30.0771, 0.3764, 0.4058

Deuteranopia

30.0692, 0.3950, 0.3884



Tritanopia

29.9945, 0.3209, 0.3126

Trichromacy



Original Color

30.1212, 0.3677, 0.4090

Protanomaly

30.1871, 0.3736, 0.4078

Deuteranomaly

30.0434, 0.3852, 0.3962

Tritanomaly

30.0903, 0.3385, 0.3475

Monochromacy



Original Color

30.1212, 0.3677, 0.4090

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2755, 0.3324, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1212, 0.3677, 0.4090 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(156, 151, 100)` looks like.

```
.text, #text, p{  
    color:rgb(156, 151, 100)  
}
```

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(156, 151, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 151, 100) }
```

Border

The CSS property to change the border of an element to Yxy 30.1212, 0.3677, 0.4090 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(156, 151, 100) }
```

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

```
.border{ border-color:rgb(156, 151, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 151, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 151, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 151, 100); box-shadow:4px 4px 4px 4px rgb(156, 151, 100) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1212, 0.3677, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 151, 100) }
```

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

```
.background{ background-color: rgb(156,  
151, 100) }
```

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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