

Converting Colors

$Y_{xy}(30.8391, 0.3719, 0.4271)$

Have a look what the booklet for
Yxy(30.8391, 0.3719, 0.4271)
contains.

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Color

Yxy(30.7366, 0.3722, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	9A9A5B
RGB	154, 154, 91
RGB Percent	60%, 60%, 36%
CMY	0.3960, 0.3961, 0.6431
CMYK	0.00, 0.00, 0.41, 0.40
HSL	60°, 26%, 48%
HSV	60°, 41%, 60%
XYZ	26.7731, 30.7366, 14.4224
YIQ	146.8180, 20.2230, -19.5930

Conversions

Conversions Part 2

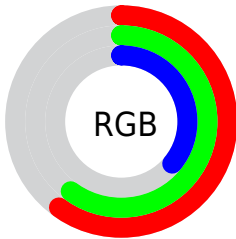
Format	Color
RYB	91, 154, 91
Decimal	10132059
CIELab	62.28, -9.67, 33.02
CIELCh	62, 34.411, 106.326
Yxy	30.7366, 0.3722, 0.4273
Android (android.graphics.Color)	4288322139 (0xFF9A9A5B)
YUV	146.8180, -27.5183, 6.2986
Hunter-Lab	55.4406, -10.8206, 23.3846

Details

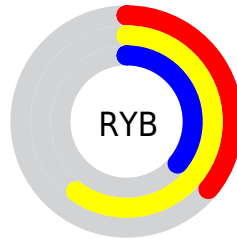
The Yxy color $30.7366, 0.3722, 0.4273$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.0464, 0.2391, 0.2073$, and the grayscale version is $29.2101, 0.3127, 0.3290$.

A 20% lighter version of the original color is $60.6201, 0.3611, 0.4074$, and $12.6416, 0.3880, 0.4604$ is the 20% darker color. If you saturate the color by 10%, you get $30.4975, 0.3852, 0.4488$, and if you desaturate by 10%, it is $31.0331, 0.3580, 0.4039$.

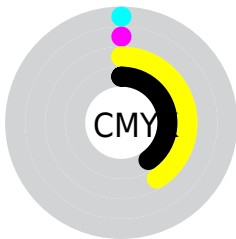
Distribution



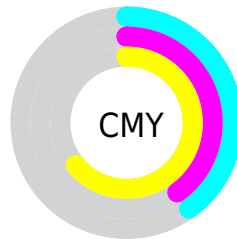
- Red (60%)
- Green (60%)
- Blue (36%)



- Red (36%)
- Yellow (60%)
- Blue (36%)



- Cyan (0%)
- Magenta (0%)
- Yellow (41%)
- Black (40%)





- Cyan (40%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7366, 0.3722, 0.4273 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 30.7366, 0.3722, 0.4273 by changing the saturation by 10% instead.


 30.7366, 0.3722,
0.4273


 30.7366, 0.3722,
0.4273


305.3230, 0.3418,
0.3744

 20.3984, 0.3795,
0.4414


 60.8251, 0.3612,
0.4073

 12.6849, 0.3886,
0.4599


 81.3442, 0.3571,
0.4000

 7.2120, 0.3994,
0.4847


 106.0257, 0.3535,
0.3940

 3.5950, 0.4178,
0.5269

 135.2540, 0.3505,
0.3888

 1.4497, 0.4259,
0.5741

169.4135, 0.3479,
0.3845

 0.2529, 0.0166,
0.9834

208.8885, 0.3456,

 0.0000, 0.0000,

0.3807

0.0000

254.0636, 0.3436,
0.3773

■ 30.7366, 0.3722,
0.4273

■ 30.7366, 0.3722,
0.4273

■ 30.4975, 0.3852,
0.4488

■ 31.0331, 0.3580,
0.4039

■ 30.3081, 0.3966,
0.4676

■ 31.3858, 0.3433,
0.3796

■ 30.1662, 0.4058,
0.4829


■ 31.7991, 0.3285,
0.3551

■ 30.0676, 0.4127,
0.4942


■ 32.2754, 0.3140,
0.3311

■ 30.0071, 0.4170,
0.5013

■ 32.8174, 0.3001,
0.3082

 29.9741, 0.4194,
0.5052

 33.4274, 0.2871,
0.2866

 34.1077, 0.2750,
0.2666

 34.8603, 0.2638,
0.2482

 35.6874, 0.2537,
0.2314

Harmonies

Analogous

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



30.7366, 0.4109, 0.4025



30.7366, 0.3722, 0.4273



30.7366, 0.3194, 0.4230

Triad

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



30.7366, 0.3722, 0.4273



30.7366, 0.2137, 0.2799



30.7366, 0.3545, 0.2809

Complementary

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



30.7366, 0.3722, 0.4273



12.0464, 0.2391, 0.2073

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.



30.7366, 0.2981, 0.2533



30.7366, 0.3722, 0.4273



30.7366, 0.2209, 0.2501

Square

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



30.7366, 0.3722, 0.4273



30.7366, 0.2297, 0.3292



30.7366, 0.2503, 0.2419



30.7366, 0.4020, 0.3196

Rectangle

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



30.7366, 0.3722, 0.4273



30.7366, 0.2838, 0.4007



30.7366, 0.2503, 0.2419



30.7366, 0.3357, 0.2702

Sweetspot

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



30.7380, 0.3722, 0.4273



57.6456, 0.3305, 0.3583



15.1304, 0.4114, 0.3275



13.0267, 0.3322, 0.3612



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.



30.7380, 0.3722, 0.4273



55.4248, 0.3841, 0.4470



28.1249, 0.3390, 0.4394



7.2226, 0.3260, 0.3510



24.4152, 0.4194, 0.5052



0.3651, 0.4193, 0.5052

Inverse Universe

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



12.0464, 0.2391, 0.2073



16.7606, 0.2200, 0.1757



13.9172, 0.2748, 0.2182



6.0266, 0.2988, 0.3060



1.9017, 0.1500, 0.0600



0.0285, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 30.7366, 0.3722, 0.4273 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 30.7366, 0.3722, 0.4273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

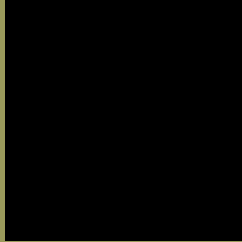
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7366, 0.3722, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 30.7366, 0.3722, 0.4273.



This preview shows how white text looks on a background with the Yxy color 30.7366, 0.3722, 0.4273.

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

30.7366, 0.3722, 0.4273

Protanopia

30.8707, 0.3871, 0.4204

Deuteranopia

30.6819, 0.4081, 0.4008



Tritanopia

30.7078, 0.3177, 0.3112

Trichromacy



Original Color

30.7366, 0.3722, 0.4273

Protanomaly

30.7717, 0.3820, 0.4233

Deuteranomaly

30.7232, 0.3951, 0.4110

Tritanomaly

30.5871, 0.3379, 0.3522

Monochromacy



Original Color

30.7366, 0.3722, 0.4273

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.8290, 0.3350, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7366, 0.3722, 0.4273 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(154, 154, 91)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 91)  
}
```

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(154, 154, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 91) }
```

Border

The CSS property to change the border of an element to Yxy 30.7366, 0.3722, 0.4273 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(154, 154, 91) }
```

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

```
.border{ border-color:rgb(154, 154, 91) }
```

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

Here you see how a box with a 4 pixel rgb(154, 154, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 91);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7366, 0.3722, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 91) }
```

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

```
.background{ background-color: rgb(154,  
154, 91) }
```

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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