

Converting Colors

$Y_{xy}(30.7361, 0.3877, 0.4750)$

Have a look what the booklet for
Yxy(30.7361, 0.3877, 0.4750)
contains.

Yxy(30.7361, 0.3877, 0.4750)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7361, 0.3877, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	949D3C
RGB	148, 157, 60
RGB Percent	58%, 62%, 24%
CMY	0.4196, 0.3843, 0.7647
CMYK	0.06, 0.00, 0.62, 0.38
HSL	66°, 45%, 43%
HSV	66°, 62%, 62%
XYZ	25.0871, 30.7361, 8.8844
YIQ	143.2510, 25.7730, -32.0750

Conversions

Conversions Part 2

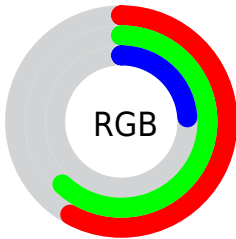
Format	Color
RYB	60, 157, 69
Decimal	9739580
CIELab	62.28, -16.70, 48.23
CIELCh	62, 51.036, 109.101
Yxy	30.7361, 0.3877, 0.4750
Android (android.graphics.Color)	4287929660 (0xFF949D3C)
YUV	143.2510, -41.0427, 4.1649
Hunter-Lab	55.4401, -16.2475, 29.3068

Details

The Yxy color **30.7361, 0.3877, 0.4750** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.9301, 0.2040, 0.1392**, and the grayscale version is **27.7347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5958, 0.3758, 0.4454**, and **12.6878, 0.4005, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **30.4606, 0.3951, 0.4918**, and if you desaturate by 10%, it is **31.0654, 0.3781, 0.4547**.

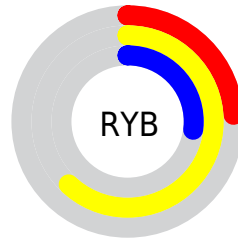
Distribution



Red (58%)

Green (62%)

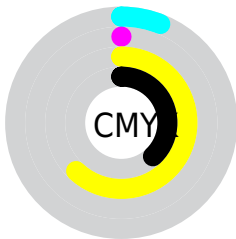
Blue (24%)



Red (24%)

Yellow (62%)

Blue (27%)

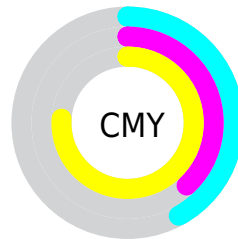


Cyan (6%)

Magenta (0%)

Yellow (62%)

Black (38%)



Cyan (42%)


Magenta (38%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7361, 0.3877, 0.4750 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 30.7361, 0.3877, 0.4750 by changing the saturation by 10% instead.


 30.7361, 0.3877,
0.4750


 30.7361, 0.3877,
0.4750


305.3207, 0.3521,
0.3972

 20.3980, 0.3946,
0.4946


 60.8243, 0.3759,
0.4462


 12.6847, 0.4014,
0.5191


 81.3433, 0.3711,
0.4355


 7.2118, 0.4082,
0.5520


 106.0246, 0.3668,
0.4265

 3.5949, 0.4083,
0.5917

 135.2526, 0.3631,
0.4188

 1.4496, 0.3792,
0.6208

 169.4119, 0.3598,
0.4123

 0.2529, 0.0000,
1.0000

 208.8867, 0.3569,

 0.0000, 0.0000,

0.4066

0.0000

254.0615, 0.3544,
0.4016

■ 30.7361, 0.3877,
0.4750

■ 30.7361, 0.3877,
0.4750

■ 30.4606, 0.3951,
0.4918

■ 31.0654, 0.3781,
0.4547

■ 30.2301, 0.4001,
0.5046

■ 31.4482, 0.3669,
0.4319

■ 30.0408, 0.4026,
0.5131

■ 31.8895, 0.3544,
0.4075

■ 29.9053, 0.4034,
0.5179

■ 32.3926, 0.3413,
0.3824

■ 32.9604, 0.3281,
0.3574

■ 33.5957, 0.3150,
0.3332

■ 34.3013, 0.3024,
0.3102

■ 35.0796, 0.2905,
0.2887

■ 35.9329, 0.2794,
0.2688

Harmonies

Analogous

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



30.7361, 0.4488, 0.4339



30.7361, 0.3877, 0.4750



30.7361, 0.3109, 0.4708

Triad

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



30.7361, 0.3877, 0.4750



30.7361, 0.1734, 0.2494



30.7361, 0.3810, 0.2646

Complementary

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



30.7361, 0.3877, 0.4750



6.9301, 0.2040, 0.1392

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.



30.7361, 0.2969, 0.2258



30.7361, 0.3877, 0.4750



30.7361, 0.1862, 0.2137

Square

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



30.7361, 0.3877, 0.4750



30.7361, 0.1904, 0.3181



30.7361, 0.2279, 0.2074



30.7361, 0.4503, 0.3173

Rectangle

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



30.7361, 0.3877, 0.4750



30.7361, 0.2609, 0.4335



30.7361, 0.2279, 0.2074



30.7361, 0.3528, 0.2497

Sweetspot

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



30.7375, 0.3877, 0.4750



58.2469, 0.3381, 0.3763



11.6382, 0.4929, 0.3416



12.7600, 0.3417, 0.3830



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.



30.7375, 0.3877, 0.4750



54.3923, 0.3972, 0.4970



27.1733, 0.3371, 0.5041



7.6891, 0.3247, 0.3512



24.2969, 0.4035, 0.5178



0.4426, 0.4103, 0.5124

Inverse Universe

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



6.9301, 0.2040, 0.1392



8.1036, 0.1800, 0.1006



9.4186, 0.2613, 0.1643



6.4632, 0.3001, 0.3060



2.0644, 0.1539, 0.0622



0.0445, 0.1720, 0.0721

Previews

White Background



This preview shows how the Yxy color 30.7361, 0.3877, 0.4750 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 30.7361, 0.3877, 0.4750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

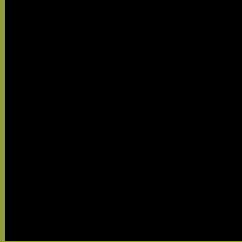
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7361, 0.3877, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 30.7361, 0.3877, 0.4750.



This preview shows how white text looks on a background with the Yxy color 30.7361, 0.3877, 0.4750.

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

30.7361, 0.3877, 0.4750

Protanopia

30.7635, 0.4163, 0.4577

Deuteranopia

30.5799, 0.4405, 0.4311



Tritanopia

30.6397, 0.3125, 0.3110

Trichromacy



Original Color

30.7361, 0.3877, 0.4750

Protanomaly

30.6753, 0.4060, 0.4634

Deuteranomaly

30.4229, 0.4211, 0.4461

Tritanomaly

30.4333, 0.3430, 0.3732

Monochromacy



Original Color

30.7361, 0.3877, 0.4750

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.3918, 0.3439, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7361, 0.3877, 0.4750 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(148, 157, 60)` looks like.

```
.text, #text, p{  
    color:rgb(148, 157, 60)  
}
```

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(148, 157, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 157, 60) }
```

Border

The CSS property to change the border of an element to Yxy 30.7361, 0.3877, 0.4750 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(148, 157, 60) }
```

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

```
.border{ border-color:rgb(148, 157, 60) }
```

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

Here you see how a box with a 4 pixel rgb(148, 157, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 157, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 157, 60);  
box-shadow:4px 4px 4px 4px rgb(148, 157,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7361, 0.3877, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 157, 60) }
```

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

```
.background{ background-color: rgb(148,  
157, 60) }
```

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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