

Converting Colors

Yxy(31.6228, 0.3807, 0.4749)

Have a look what the booklet for
Yxy(31.6228, 0.3807, 0.4749)
contains.

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Color

Yxy(31.6228, 0.3807, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	92A040
RGB	146, 160, 64
RGB Percent	57%, 63%, 25%
CMY	0.4274, 0.3725, 0.7491
CMYK	0.09, 0.00, 0.60, 0.37
HSL	69°, 43%, 44%
HSV	69°, 60%, 63%
XYZ	25.3502, 31.6228, 9.6154
YIQ	144.8700, 22.4720, -32.8240

Conversions

Conversions Part 2

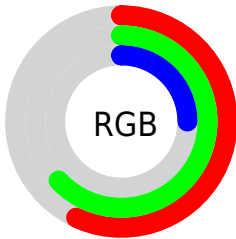
Format	Color
RYB	64, 160, 78
Decimal	9609280
CIELab	63.03, -18.80, 47.20
CIElCh	63, 50.801, 111.718
Yxy	31.6228, 0.3807, 0.4749
Android (android.graphics.Color)	4287799360 (0xFF92A040)
YUV	144.8700, -39.8689, 0.9910
Hunter-Lab	56.2342, -17.9425, 29.2260

Details

The Yxy color **31.6228, 0.3807, 0.4749** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.8223, 0.2123, 0.1467**, and the grayscale version is **28.4181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4184, 0.3699, 0.4456**, and **13.2798, 0.3924, 0.5200** is the 20% darker color. If you saturate the color by 10%, you get **31.2559, 0.3876, 0.4935**, and if you desaturate by 10%, it is **32.0492, 0.3717, 0.4531**.

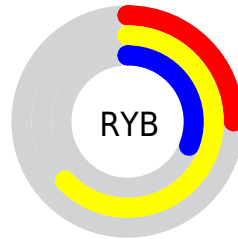
Distribution



Red (57%)

Green (63%)

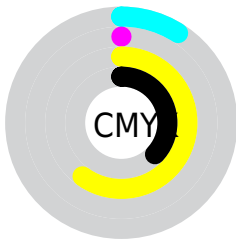
Blue (25%)



Red (25%)

Yellow (63%)

Blue (31%)

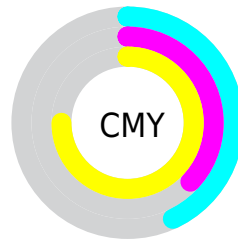


Cyan (9%)

Magenta (0%)

Yellow (60%)

Black (37%)



Cyan (43%)


Magenta (37%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6228, 0.3807, 0.4749 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 31.6228, 0.3807, 0.4749 by changing the saturation by 10% instead.


 31.6228, 0.3807,
0.4749


 31.6228, 0.3807,
0.4749


309.3974, 0.3488,
0.3969

 21.0736, 0.3867,
0.4949


 62.2193, 0.3702,
0.4459

 13.1778, 0.3926,
0.5200

 83.0353, 0.3659,
0.4351


 7.5511, 0.3973,
0.5528


 108.0424, 0.3621,
0.4261

 3.8091, 0.3998,
0.6002

 137.6249, 0.3587,
0.4184

 1.5673, 0.3684,
0.6316

 172.1673, 0.3558,
0.4119

 0.3354, 0.0000,
1.0000

212.0539, 0.3532,

 0.0000, 0.0000,

0.4062

0.0000

257.6691, 0.3509,
0.4013

■ 31.6228, 0.3807,
0.4749

■ 31.6228, 0.3807,
0.4749

■ 31.2559, 0.3876,
0.4935

■ 32.0492, 0.3717,
0.4531

■ 30.9395, 0.3921,
0.5081

■ 32.5350, 0.3612,
0.4291

■ 30.6696, 0.3940,
0.5184

■ 33.0851, 0.3495,
0.4039

■ 30.4337, 0.3941,
0.5253

■ 33.7030, 0.3373,
0.3783

■ 34.3918, 0.3249,
0.3532

■ 35.1544, 0.3127,
0.3290

■ 35.9936, 0.3010,
0.3063

■ 36.9121, 0.2899,
0.2851

■ 37.9122, 0.2796,
0.2657

Harmonies

Analogous

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



31.6228, 0.4430, 0.4373



31.6228, 0.3807, 0.4749



31.6228, 0.3044, 0.4652

Triad

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



31.6228, 0.3807, 0.4749



31.6228, 0.1749, 0.2462



31.6228, 0.3871, 0.2695

Complementary

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



31.6228, 0.3807, 0.4749



7.8223, 0.2123, 0.1467

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.



31.6228, 0.3042, 0.2296



31.6228, 0.3807, 0.4749



31.6228, 0.1901, 0.2135

Square

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



31.6228, 0.3807, 0.4749



31.6228, 0.1892, 0.3113



31.6228, 0.2339, 0.2095



31.6228, 0.4525, 0.3226

Rectangle

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



31.6228, 0.3807, 0.4749



31.6228, 0.2557, 0.4254



31.6228, 0.2339, 0.2095



31.6228, 0.3597, 0.2544

Sweetspot

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



31.6242, 0.3807, 0.4749



61.3905, 0.3352, 0.3741



13.1219, 0.4802, 0.3489



13.3921, 0.3386, 0.3811



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.6242, 0.3807, 0.4749



56.5443, 0.3894, 0.4989



28.1765, 0.3324, 0.5019



7.6713, 0.3240, 0.3513



23.7208, 0.3944, 0.5251



0.4363, 0.4051, 0.5166

Inverse Universe

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



7.8223, 0.2123, 0.1467



9.4175, 0.1883, 0.1080



10.5479, 0.2697, 0.1713



6.4794, 0.3009, 0.3060



2.1346, 0.1570, 0.0639



0.0497, 0.1838, 0.0786

Previews

White Background



This preview shows how the Yxy color 31.6228, 0.3807, 0.4749 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 31.6228, 0.3807, 0.4749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

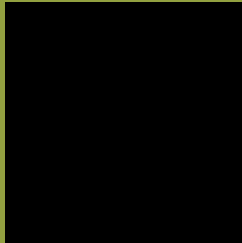
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6228, 0.3807, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 31.6228, 0.3807, 0.4749.



This preview shows how white text looks on a background with the Yxy color 31.6228, 0.3807, 0.4749.

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

31.6228, 0.3807, 0.4749

Protanopia

31.6763, 0.4139, 0.4547

Deuteranopia

31.4870, 0.4375, 0.4284



Tritanopia

31.4892, 0.3075, 0.3110

Trichromacy



Original Color

31.6228, 0.3807, 0.4749

Protanomaly

31.7129, 0.4008, 0.4625

Deuteranomaly

31.1022, 0.4163, 0.4441

Tritanomaly

31.2930, 0.3371, 0.3732

Monochromacy



Original Color

31.6228, 0.3807, 0.4749

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.0934, 0.3404, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6228, 0.3807, 0.4749 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(146, 160, 64)` looks like.

```
.text, #text, p{  
    color:rgb(146, 160, 64)  
}
```

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(146, 160, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 160, 64) }
```

Border

The CSS property to change the border of an element to Yxy 31.6228, 0.3807, 0.4749 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(146, 160, 64) }
```

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

```
.border{ border-color:rgb(146, 160, 64) }
```

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

Here you see how a box with a 4 pixel rgb(146, 160, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 160, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 160, 64);  
box-shadow:4px 4px 4px 4px rgb(146, 160,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6228, 0.3807, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 160, 64) }
```

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

```
.background{ background-color: rgb(146,  
160, 64) }
```

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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