

Converting Colors

$Yxy(31.6207, 0.4109, 0.4493)$

Have a look what the booklet for
Yxy(31.6207, 0.4109, 0.4493)
contains.

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Color

Yxy(31.7338, 0.4104, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	AA9943
RGB	170, 153, 67
RGB Percent	67%, 60%, 26%
CMY	0.3332, 0.4000, 0.7372
CMYK	0.00, 0.10, 0.61, 0.33
HSL	50°, 43%, 46%
HSV	50°, 61%, 67%
XYZ	28.9863, 31.7338, 9.9093
YIQ	148.2790, 37.7380, -23.1420

Conversions

Conversions Part 2

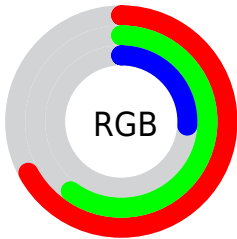
Format	Color
RYB	87, 170, 67
Decimal	11180355
CIELab	63.12, -4.49, 46.46
CIELCh	63, 46.672, 95.521
Yxy	31.7338, 0.4104, 0.4493
Android (android.graphics.Color)	4289370435 (0xFFAA9943)
YUV	148.2790, -40.0705, 19.0493
Hunter-Lab	56.3328, -6.7342, 29.0034

Details

The Yxy color **31.7338, 0.4104, 0.4493** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4442, 0.2037, 0.1669**, and the grayscale version is **29.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2645, 0.3931, 0.4274**, and **13.1766, 0.4346, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **30.6510, 0.4244, 0.4630**, and if you desaturate by 10%, it is **32.9012, 0.3947, 0.4323**.

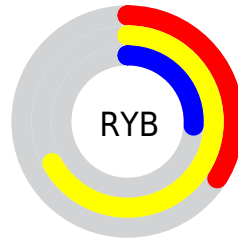
Distribution



Red (67%)

Green (60%)

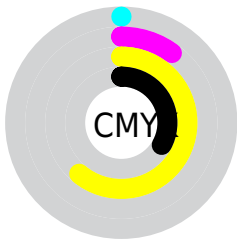
Blue (26%)



Red (34%)

Yellow (67%)

Blue (26%)

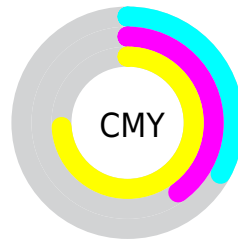


Cyan (0%)

Magenta (10%)

Yellow (61%)

Black (33%)



Cyan (33%)


Magenta (40%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7338, 0.4104, 0.4493 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 31.7338, 0.4104, 0.4493 by changing the saturation by 10% instead.

 31.7338, 0.4104,
0.4493


 31.7338, 0.4104,
0.4493


309.9048, 0.3616,
0.3876

 21.1583, 0.4213,
0.4639


 62.3935, 0.3933,
0.4271

 13.2397, 0.4339,
0.4815

 83.2465, 0.3866,
0.4187


 7.5938, 0.4480,
0.5027


 108.2941, 0.3809,
0.4115

 3.8362, 0.4671,
0.5329

 137.9207, 0.3760,
0.4053

 1.5823, 0.4601,
0.5399

 172.5106, 0.3717,
0.4000

 0.3457, 0.3878,
0.6122

212.4484, 0.3679,

 0.0000, 0.0000,

0.3953

0.0000

258.1183, 0.3646,
0.3912

■ 31.7338, 0.4104,
0.4493

■ 31.7338, 0.4104,
0.4493

■ 30.6510, 0.4244,
0.4630

■ 32.9012, 0.3947,
0.4323

■ 29.6427, 0.4361,
0.4727

■ 34.1536, 0.3781,
0.4131

■ 28.7038, 0.4451,
0.4779

■ 35.4970, 0.3613,
0.3925

■ 27.8702, 0.4516,
0.4796

■ 36.9353, 0.3446,
0.3713

■ 38.4723, 0.3286,
0.3504

■ 40.1117, 0.3136,
0.3302

■ 41.8566, 0.2996,
0.3109

■ 43.7102, 0.2868,
0.2930

■ 45.6756, 0.2751,
0.2763

Harmonies

Analogous

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



31.7338, 0.4528, 0.4037



31.7338, 0.4104, 0.4493



31.7338, 0.3447, 0.4650

Triad

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



31.7338, 0.4104, 0.4493



31.7338, 0.1883, 0.2823



31.7338, 0.3403, 0.2517

Complementary

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



31.7338, 0.4104, 0.4493



10.4442, 0.2037, 0.1669

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.



31.7338, 0.2674, 0.2237



31.7338, 0.4104, 0.4493



31.7338, 0.1876, 0.2351

Square

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



31.7338, 0.4104, 0.4493



31.7338, 0.2178, 0.3556



31.7338, 0.2144, 0.2168



31.7338, 0.4126, 0.2959

Rectangle

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



31.7338, 0.4104, 0.4493



31.7338, 0.2970, 0.4475



31.7338, 0.2144, 0.2168



31.7338, 0.3147, 0.2403

Sweetspot

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



31.7353, 0.4104, 0.4493



67.6074, 0.3409, 0.3666



13.2077, 0.4663, 0.3049



14.9048, 0.3456, 0.3726



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.7353, 0.4104, 0.4493



54.8957, 0.4291, 0.4671



34.3725, 0.3618, 0.4878



8.5595, 0.3266, 0.3477



20.5643, 0.4512, 0.4799



0.5547, 0.4391, 0.4895

Inverse Universe

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



10.4442, 0.2037, 0.1669



12.9869, 0.1806, 0.1274



9.7060, 0.2310, 0.1528



7.4935, 0.2986, 0.3096



2.8069, 0.1546, 0.0765



0.1252, 0.1685, 0.1267

Previews

White Background



This preview shows how the Yxy color 31.7338, 0.4104, 0.4493 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 31.7338, 0.4104, 0.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

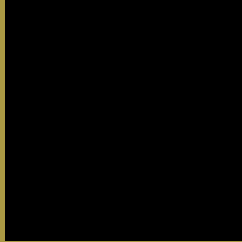
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7338, 0.4104, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 31.7338, 0.4104, 0.4493.



This preview shows how white text looks on a background with the Yxy color 31.7338, 0.4104, 0.4493.

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

31.7338, 0.4104, 0.4493

Protanopia

31.7338, 0.4104, 0.4493

Deuteranopia

31.4993, 0.4367, 0.4274



Tritanopia

31.7781, 0.3379, 0.3135

Trichromacy



Original Color

31.7338, 0.4104, 0.4493

Protanomaly

31.7338, 0.4104, 0.4493

Deuteranomaly

31.5422, 0.4272, 0.4357

Tritanomaly

31.4115, 0.3675, 0.3643

Monochromacy



Original Color

31.7338, 0.4104, 0.4493

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.2125, 0.3495, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7338, 0.4104, 0.4493 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(170, 153, 67)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 67)  
}
```

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(170, 153, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 67) }
```

Border

The CSS property to change the border of an element to Yxy 31.7338, 0.4104, 0.4493 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(170, 153, 67) }
```

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

```
.border{ border-color:rgb(170, 153, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 67);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7338, 0.4104, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 67) }
```

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

```
.background{ background-color: rgb(170,  
153, 67) }
```

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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