

Converting Colors

$Y_{xy}(37.2592, 0.4020, 0.4498)$

Have a look what the booklet for
Yxy(37.2592, 0.4020, 0.4498)
contains.

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Color

Yxy(37.2592, 0.4020, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	B2A64C
RGB	178, 166, 76
RGB Percent	70%, 65%, 30%
CMY	0.3020, 0.3490, 0.7019
CMYK	0.00, 0.07, 0.57, 0.30
HSL	53°, 40%, 50%
HSV	53°, 57%, 70%
XYZ	33.2997, 37.2592, 12.2762
YIQ	159.3280, 36.0420, -25.4460

Conversions

Conversions Part 2

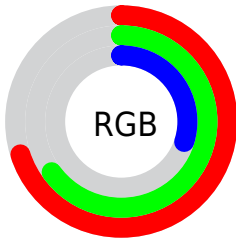
Format	Color
R _Y B	90, 178, 76
Decimal	11707980
CIE Lab	67.47, -7.31, 47.30
CIE LCh	67, 47.857, 98.782
Yxy	37.2592, 0.4020, 0.4498
Android (android.graphics.Color)	4289898060 (0xFFB2A64C)
YUV	159.3280, -41.0807, 16.3753
Hunter-Lab	61.0403, -9.4424, 30.8041

Details

The Yxy color **37.2592, 0.4020, 0.4498** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.7301, 0.2077, 0.1679**, and the grayscale version is **35.0095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1043, 0.3871, 0.4278**, and **16.3115, 0.4231, 0.4809** is the 20% darker color. If you saturate the color by 10%, you get **36.2923, 0.4152, 0.4652**, and if you desaturate by 10%, it is **38.3105, 0.3872, 0.4313**.

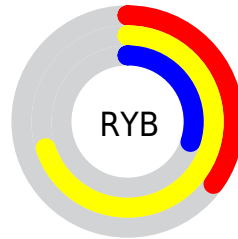
Distribution



Red (70%)

Green (65%)

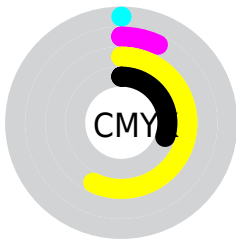
Blue (30%)



Red (35%)

Yellow (70%)

Blue (30%)

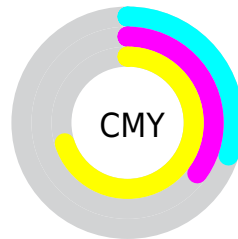


Cyan (0%)

Magenta (7%)

Yellow (57%)

Black (30%)



Cyan (30%)


Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2592, 0.4020, 0.4498 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 37.2592, 0.4020, 0.4498 by changing the saturation by 10% instead.


 37.2592, 0.4020,
0.4498


 37.2592, 0.4020,
0.4498


334.4314, 0.3587,
0.3887

 25.4082, 0.4114,
0.4642


 70.9713, 0.3871,
0.4280


 16.3815, 0.4222,
0.4818


 93.6011, 0.3812,
0.4196


 9.7945, 0.4339,
0.5029


 120.5928, 0.3761,
0.4125

 5.2629, 0.4573,
0.5422

 152.3306, 0.3717,
0.4064

 2.4023, 0.4485,
0.5515

 189.1990, 0.3679,
0.4011

 0.8271, 0.4236,
0.5764

231.5823, 0.3645,

 0.0000, 0.0000,

0.3964

0.0000

279.8650, 0.3614,
0.3924

■ 37.2592, 0.4020,
0.4498

■ 37.2592, 0.4020,
0.4498

■ 36.2923, 0.4152,
0.4652

■ 38.3105, 0.3872,
0.4313

■ 35.3986, 0.4261,
0.4768

■ 39.4461, 0.3713,
0.4106

■ 34.5731, 0.4344,
0.4840

■ 40.6725, 0.3551,
0.3887

■ 33.8057, 0.4401,
0.4870

■ 41.9939, 0.3390,
0.3665

■ 33.6030, 0.4415,
0.4876

■ 43.4145, 0.3235,
0.3445

■ 44.9379, 0.3088,
0.3234

■ 46.5677, 0.2952,
0.3034

■ 48.3073, 0.2826,
0.2847

■ 50.1599, 0.2711,
0.2675

Harmonies

Analogous

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



37.2592, 0.4463, 0.4078



37.2592, 0.4020, 0.4498



37.2592, 0.3367, 0.4598

Triad

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



37.2592, 0.4020, 0.4498



37.2592, 0.1898, 0.2774



37.2592, 0.3478, 0.2577

Complementary

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



37.2592, 0.4020, 0.4498



11.7301, 0.2077, 0.1679

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.



37.2592, 0.2757, 0.2282



37.2592, 0.4020, 0.4498



37.2592, 0.1921, 0.2343

Square

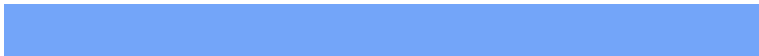
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.2592, 0.4020, 0.4498



37.2592, 0.2158, 0.3465



37.2592, 0.2212, 0.2191



37.2592, 0.4162, 0.3023

Rectangle

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



37.2592, 0.4020, 0.4498



37.2592, 0.2903, 0.4388



37.2592, 0.2212, 0.2191



37.2592, 0.3228, 0.2458

Sweetspot

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



37.2609, 0.4020, 0.4498



76.1617, 0.3390, 0.3665



15.3663, 0.4601, 0.3105



16.7655, 0.3422, 0.3709



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.2609, 0.4020, 0.4498



65.3374, 0.4186, 0.4690



37.9869, 0.3570, 0.4820



9.7328, 0.3266, 0.3489



24.1058, 0.4413, 0.4878



0.8063, 0.4344, 0.4933

Inverse Universe

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



11.7301, 0.2077, 0.1679



14.6441, 0.1843, 0.1288



11.9224, 0.2398, 0.1635



8.3857, 0.2985, 0.3083



2.7319, 0.1528, 0.0700



0.1374, 0.1624, 0.1046

Previews

White Background



This preview shows how the Yxy color 37.2592, 0.4020, 0.4498 looks on a white background.

Color Contrast Check

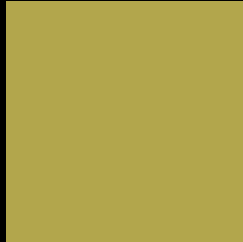
Large Text (above 18pt) WCAG AA × Fail

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 37.2592, 0.4020, 0.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

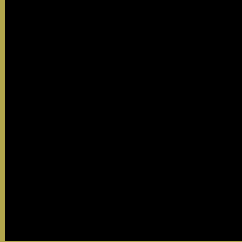
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2592, 0.4020, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 37.2592, 0.4020, 0.4498.



This preview shows how white text looks on a background with the Yxy color 37.2592, 0.4020, 0.4498.

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

37.2592, 0.4020, 0.4498

Protanopia

37.3772, 0.4069, 0.4466

Deuteranopia

37.0380, 0.4334, 0.4232



Tritanopia

37.1689, 0.3322, 0.3130

Trichromacy



Original Color

37.2592, 0.4020, 0.4498

Protanomaly

37.2558, 0.4059, 0.4472

Deuteranomaly

37.1610, 0.4217, 0.4330

Tritanomaly

37.0812, 0.3601, 0.3638

Monochromacy



Original Color

37.2592, 0.4020, 0.4498

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.5326, 0.3467, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2592, 0.4020, 0.4498 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(178, 166, 76)` looks like.

```
.text, #text, p{  
    color:rgb(178, 166, 76)  
}
```

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(178, 166, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 166, 76) }
```

Border

The CSS property to change the border of an element to Yxy 37.2592, 0.4020, 0.4498 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(178, 166, 76) }
```

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

```
.border{ border-color:rgb(178, 166, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 166, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 166, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 166, 76);  
box-shadow:4px 4px 4px 4px rgb(178, 166,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2592, 0.4020, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 166, 76) }
```

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

```
.background{ background-color: rgb(178,  
166, 76) }
```

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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