

Converting Colors

$Y_{xy}(37.7671, 0.4040, 0.4444)$

Have a look what the booklet for
Yxy(37.7671, 0.4040, 0.4444)
contains.

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Color

Yxy(37.7820, 0.4040, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	B6A64F
RGB	182, 166, 79
RGB Percent	71%, 65%, 31%
CMY	0.2863, 0.3490, 0.6902
CMYK	0.00, 0.09, 0.57, 0.29
HSL	51°, 41%, 51%
HSV	51°, 57%, 71%
XYZ	34.3395, 37.7820, 12.8773
YIQ	160.8660, 37.4630, -23.6650

Conversions

Conversions Part 2

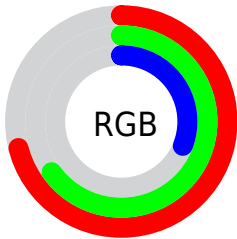
Format	Color
R_{YB}	98, 182, 79
Decimal	11970127
CIE Lab	67.86, -5.35, 46.41
CIE LCh	68, 46.721, 96.576
Yxy	37.7820, 0.4040, 0.4445
Android (android.graphics.Color)	4290160207 (0xFFB6A64F)
YUV	160.8660, -40.3599, 18.5345
Hunter-Lab	61.4671, -7.8455, 30.6057

Details

The Yxy color **37.7820, 0.4040, 0.4445** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.2223, 0.2102, 0.1764**, and the grayscale version is **35.7537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8769, 0.3884, 0.4237**, and **16.6305, 0.4264, 0.4734** is the 20% darker color. If you saturate the color by 10%, you get **36.5374, 0.4184, 0.4597**, and if you desaturate by 10%, it is **39.1253, 0.3881, 0.4263**.

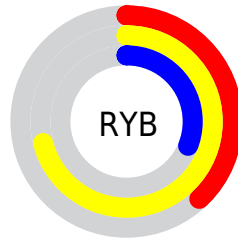
Distribution



Red (71%)

Green (65%)

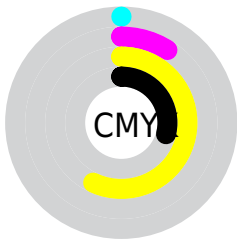
Blue (31%)



Red (38%)

Yellow (71%)

Blue (31%)

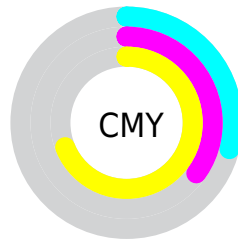


Cyan (0%)

Magenta (9%)

Yellow (57%)

Black (29%)



Cyan (29%)


Magenta (35%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7820, 0.4040, 0.4445 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 37.7820, 0.4040, 0.4445 by changing the saturation by 10% instead.


 37.7820, 0.4040,
0.4445


 37.7820, 0.4040,
0.4445


336.6839, 0.3595,
0.3865

 25.8135, 0.4138,
0.4581


 71.7739, 0.3886,
0.4238

 16.6842, 0.4253,
0.4746


 94.5661, 0.3825,
0.4159


 10.0096, 0.4382,
0.4944


 121.7350, 0.3773,
0.4091

 5.4053, 0.4607,
0.5283

 153.6650, 0.3728,
0.4033

 2.4870, 0.4594,
0.5406

 190.7405, 0.3688,
0.3983

 0.8701, 0.4446,
0.5554

233.3459, 0.3653,

 0.0000, 0.0000,

0.3938

0.0000

281.8655, 0.3623,
0.3899

■ 37.7820, 0.4040,
0.4445

■ 37.7820, 0.4040,
0.4445

■ 36.5374, 0.4184,
0.4597

■ 39.1253, 0.3881,
0.4263

■ 35.3799, 0.4308,
0.4711

■ 40.5675, 0.3714,
0.4062

■ 34.3042, 0.4405,
0.4781

■ 42.1154, 0.3546,
0.3850

■ 33.3004, 0.4475,
0.4807

■ 43.7737, 0.3382,
0.3635

■ 32.9691, 0.4496,
0.4812

■ 45.5466, 0.3225,
0.3425

■ 47.4381, 0.3078,
0.3223

■ 49.4521, 0.2943,
0.3032

■ 51.5922, 0.2818,
0.2854

■ 53.8618, 0.2706,
0.2690

Harmonies

Analogous

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



37.7820, 0.4448, 0.4026



37.7820, 0.4040, 0.4445



37.7820, 0.3413, 0.4567

Triad

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



37.7820, 0.4040, 0.4445



37.7820, 0.1938, 0.2832



37.7820, 0.3416, 0.2567

Complementary

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



37.7820, 0.4040, 0.4445



13.2223, 0.2102, 0.1764

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.



37.7820, 0.2722, 0.2292



37.7820, 0.4040, 0.4445



37.7820, 0.1939, 0.2390

Square

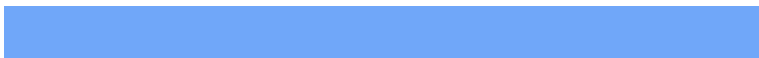
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.7820, 0.4040, 0.4445



37.7820, 0.2213, 0.3517



37.7820, 0.2206, 0.2221



37.7820, 0.4091, 0.2996

Rectangle

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



37.7820, 0.4040, 0.4445



37.7820, 0.2960, 0.4387



37.7820, 0.2206, 0.2221



37.7820, 0.3174, 0.2456

Sweetspot

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



37.7838, 0.4040, 0.4445



79.1429, 0.3393, 0.3650



16.3836, 0.4518, 0.3058



17.3447, 0.3426, 0.3693



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.7838, 0.4040, 0.4445



65.6876, 0.4218, 0.4630



40.2874, 0.3600, 0.4787



10.2593, 0.3267, 0.3482



23.3600, 0.4492, 0.4815



0.8883, 0.4403, 0.4886

Inverse Universe

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



13.2223, 0.2102, 0.1764



16.9504, 0.1877, 0.1387



12.5005, 0.2371, 0.1638



8.9388, 0.2984, 0.3091



3.0451, 0.1541, 0.0745



0.1787, 0.1652, 0.1146

Previews

White Background



This preview shows how the Yxy color 37.7820, 0.4040, 0.4445 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 37.7820, 0.4040, 0.4445 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 37.7820, 0.4040, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 37.7820, 0.4040, 0.4445.



This preview shows how white text looks on a background with the Yxy color 37.7820, 0.4040, 0.4445.

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

37.7820, 0.4040, 0.4445

Protanopia

37.9042, 0.4050, 0.4440

Deuteranopia

37.5454, 0.4320, 0.4219



Tritanopia

37.5512, 0.3352, 0.3131

Trichromacy



Original Color

37.7820, 0.4040, 0.4445

Protanomaly

37.9042, 0.4050, 0.4440

Deuteranomaly

37.4566, 0.4222, 0.4299

Tritanomaly

37.4840, 0.3622, 0.3620

Monochromacy



Original Color

37.7820, 0.4040, 0.4445

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2681, 0.3476, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7820, 0.4040, 0.4445 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(182, 166, 79)` looks like.

```
.text, #text, p{  
    color:rgb(182, 166, 79)  
}
```

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(182, 166, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 166, 79) }
```

Border

The CSS property to change the border of an element to Yxy 37.7820, 0.4040, 0.4445 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(182, 166, 79) }
```

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

```
.border{ border-color:rgb(182, 166, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 166, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 166, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 166, 79);  
box-shadow:4px 4px 4px 4px rgb(182, 166,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7820, 0.4040, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 166, 79) }
```

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

```
.background{ background-color: rgb(182,  
166, 79) }
```

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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