

Converting Colors

$Y_{xy}(37.7750, 0.3893, 0.3792)$

Have a look what the booklet for
Yxy(37.7750, 0.3893, 0.3792)
contains.

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Color

Yxy(37.6801, 0.3890, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	C59E78
RGB	197, 158, 120
RGB Percent	77%, 62%, 47%
CMY	0.2275, 0.3804, 0.5293
CMYK	0.00, 0.20, 0.39, 0.23
HSL	30°, 40%, 62%
HSV	30°, 39%, 77%
XYZ	38.6437, 37.6801, 23.0173
YIQ	165.3290, 35.4420, -3.5500

Conversions

Conversions Part 2

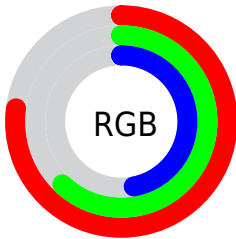
Format	Color
RYB	197, 195, 120
Decimal	12951160
CIELab	67.78, 9.27, 25.31
CIElCh	68, 26.959, 69.884
Yxy	37.6801, 0.3890, 0.3793
Android (android.graphics.Color)	4291141240 (0xFFC59E78)
YUV	165.3290, -22.3472, 27.7755
Hunter-Lab	61.3841, 4.9505, 20.7368

Details

The Yxy color **37.6801, 0.3890, 0.3793** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.8328, 0.2506, 0.2722**, and the grayscale version is **37.8917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8656, 0.3741, 0.3704**, and **16.7211, 0.4126, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **33.9836, 0.4143, 0.3918**, and if you desaturate by 10%, it is **41.7552, 0.3659, 0.3661**.

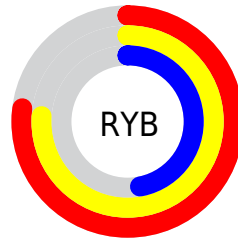
Distribution



Red (77%)

Green (62%)

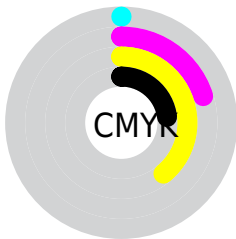
Blue (47%)



Red (77%)

Yellow (76%)

Blue (47%)

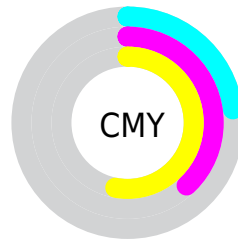


Cyan (0%)

Magenta (20%)

Yellow (39%)

Black (23%)



Cyan (23%)


Magenta (38%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6801, 0.3890, 0.3793 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 37.6801, 0.3890, 0.3793 by changing the saturation by 10% instead.


 37.6801, 0.3890,
0.3793


 37.6801, 0.3890,
0.3793


336.2457, 0.3495,
0.3544


 25.7345, 0.3991,
0.3853


 71.6176, 0.3744,
0.3704

 16.6251, 0.4123,
0.3927


 94.3782, 0.3690,
0.3670

 9.9676, 0.4298,
0.4020


 121.5126, 0.3644,
0.3641

 5.3775, 0.4540,
0.4137

153.4053, 0.3606,
0.3616

 2.4704, 0.4984,
0.4357

190.4405, 0.3572,
0.3595

 0.8618, 0.5521,
0.4479

233.0027, 0.3543,

 0.0000, 0.0000,

0.3576

0.0000

281.4763, 0.3518,
0.3559

■ 37.6801, 0.3890,
0.3793

■ 37.6801, 0.3890,
0.3793

■ 33.9836, 0.4143,
0.3918

■ 41.7552, 0.3659,
0.3661

■ 30.6476, 0.4414,
0.4027

■ 46.2153, 0.3453,
0.3528

■ 27.6605, 0.4692,
0.4108


■ 51.0735, 0.3272,
0.3400


■ 25.0075, 0.4962,
0.4148


■ 56.3406, 0.3113,
0.3279

■ 22.6722, 0.5206,
0.4136


■ 62.0267, 0.2975,
0.3166


 20.6315, 0.5414,
0.4075

 68.1418, 0.2855,
0.3062

 20.4535, 0.5433,
0.4068

 74.5048, 0.2766,
0.2996

 80.1517, 0.2775,
0.3106

 86.1207, 0.2783,
0.3213

Harmonies

Analogous

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



37.6801, 0.3919, 0.3489



37.6801, 0.3890, 0.3793



37.6801, 0.3648, 0.3990

Triad

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



37.6801, 0.3890, 0.3793



37.6801, 0.2560, 0.3387



37.6801, 0.2939, 0.2688

Complementary

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



37.6801, 0.3890, 0.3793



32.8328, 0.2506, 0.2722

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.



37.6801, 0.2603, 0.2636



37.6801, 0.3890, 0.3793



37.6801, 0.2395, 0.3008

Square

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



37.6801, 0.3890, 0.3793



37.6801, 0.2877, 0.3764



37.6801, 0.2411, 0.2742



37.6801, 0.3350, 0.2876

Rectangle

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



37.6801, 0.3890, 0.3793



37.6801, 0.3408, 0.4017



37.6801, 0.2411, 0.2742



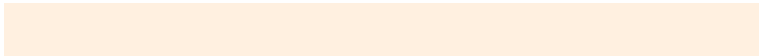
37.6801, 0.2815, 0.2654

Sweetspot

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



37.6819, 0.3890, 0.3793



88.6877, 0.3326, 0.3439



27.8428, 0.3587, 0.2769



18.7333, 0.3350, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.6819, 0.3890, 0.3793



61.7209, 0.4108, 0.3902



52.5765, 0.3712, 0.4234



11.4866, 0.3277, 0.3404



13.6206, 0.5413, 0.4084



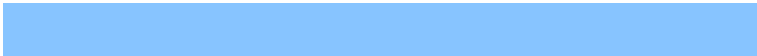
0.7898, 0.5093, 0.4338

Inverse Universe

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



32.8328, 0.2506, 0.2722



51.8055, 0.2369, 0.2569



21.7797, 0.2417, 0.2131



11.1608, 0.2983, 0.3173



8.7900, 0.1782, 0.1615



0.5610, 0.1886, 0.1991

Previews

White Background



This preview shows how the Yxy color 37.6801, 0.3890, 0.3793 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 37.6801, 0.3890, 0.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

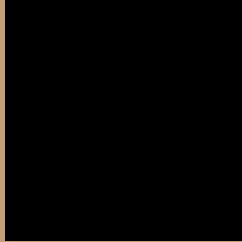
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6801, 0.3890, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 37.6801, 0.3890, 0.3793.



This preview shows how white text looks on a background with the Yxy color 37.6801, 0.3890, 0.3793.

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

37.6801, 0.3890, 0.3793

Protanopia

37.6874, 0.3625, 0.3885

Deuteranopia

37.5455, 0.3880, 0.3796



Tritanopia

37.5543, 0.3509, 0.3137

Trichromacy



Original Color

37.6801, 0.3890, 0.3793

Protanomaly

37.4361, 0.3718, 0.3845

Deuteranomaly

37.5455, 0.3880, 0.3796

Tritanomaly

37.5287, 0.3657, 0.3370

Monochromacy



Original Color

37.6801, 0.3890, 0.3793

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.3577, 0.3391, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6801, 0.3890, 0.3793 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(197, 158, 120)` looks like.

```
.text, #text, p{  
    color:rgb(197, 158, 120)  
}
```

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(197, 158, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 158, 120) }
```

Border

The CSS property to change the border of an element to Yxy 37.6801, 0.3890, 0.3793 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(197, 158, 120) }
```

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

```
.border{ border-color:rgb(197, 158, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 158, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 158, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 158, 120);  
box-shadow:4px 4px 4px 4px rgb(197, 158,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6801, 0.3890, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 158, 120) }
```

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

```
.background{ background-color: rgb(197,  
158, 120) }
```

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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