

Converting Colors

$Y_{xy}(30.6799, 0.4174, 0.4098)$

Have a look what the booklet for
Yxy(30.6799, 0.4174, 0.4098)
contains.

Yxy(30.7927, 0.4181, 0.4103)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7927, 0.4181, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	B89055
RGB	184, 144, 85
RGB Percent	72%, 56%, 33%
CMY	0.2785, 0.4353, 0.6668
CMYK	0.00, 0.22, 0.54, 0.28
HSL	36°, 41%, 53%
HSV	36°, 54%, 72%
XYZ	31.3781, 30.7927, 12.8784
YIQ	149.2340, 42.7790, -9.8690

Conversions

Conversions Part 2

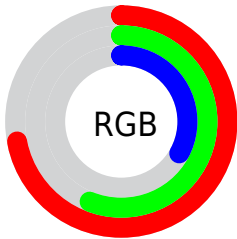
Format	Color
RYB	152, 184, 85
Decimal	12095573
CIELab	62.33, 7.93, 36.88
CIElCh	62, 37.724, 77.868
Yxy	30.7927, 0.4181, 0.4103
Android (android.graphics.Color)	4290285653 (0xFFB89055)
YUV	149.2340, -31.6674, 30.4898
Hunter-Lab	55.4912, 3.8252, 25.0837

Details

The Yxy color **30.7927, 0.4181, 0.4103** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.0473, 0.2243, 0.2280**, and the grayscale version is **30.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0430, 0.3974, 0.3960**, and **12.7282, 0.4491, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **28.3616, 0.4415, 0.4222**, and if you desaturate by 10%, it is **33.4510, 0.3951, 0.3961**.

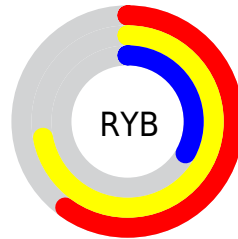
Distribution



Red (72%)

Green (56%)

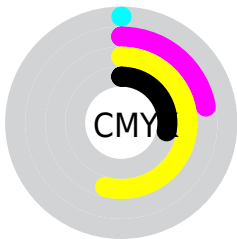
Blue (33%)



Red (60%)

Yellow (72%)

Blue (33%)

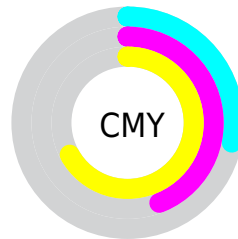


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (28%)



Cyan (28%)


Magenta (44%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7927, 0.4181, 0.4103 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 30.7927, 0.4181, 0.4103 by changing the saturation by 10% instead.


 30.7927, 0.4181,
0.4103


 30.7927, 0.4181,
0.4103


305.5822, 0.3629,
0.3695


 20.4410, 0.4321,
0.4198


 60.9135, 0.3977,
0.3958

 12.7160, 0.4497,
0.4311


 81.4515, 0.3901,
0.3902


 7.2333, 0.4722,
0.4441

 106.1538, 0.3837,
0.3855

 3.6084, 0.5147,
0.4705

 135.4046, 0.3783,
0.3814

 1.4570, 0.5344,
0.4656

 169.5885, 0.3736,
0.3778

 0.2582, 0.6296,
0.3704

209.0898, 0.3696,

 0.0000, 0.0000,

0.3747

0.0000

254.2929, 0.3660,
0.3720

■ 30.7927, 0.4181,
0.4103

■ 30.7927, 0.4181,
0.4103

■ 28.3616, 0.4415,
0.4222

■ 33.4510, 0.3951,
0.3961

■ 26.1443, 0.4642,
0.4308

■ 36.3401, 0.3734,
0.3807

■ 24.1324, 0.4850,
0.4348

■ 39.4690, 0.3532,
0.3649

■ 22.3147, 0.5028,
0.4336

■ 42.8449, 0.3349,
0.3494

■ 21.2758, 0.5128,
0.4311

■ 46.4746, 0.3185,
0.3345

■ 50.3644, 0.3039,
0.3204

■ 54.5204, 0.2910,
0.3073

■ 58.9486, 0.2795,
0.2952

■ 63.6547, 0.2695,
0.2841

Harmonies

Analogous

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



30.7927, 0.4335, 0.3672



30.7927, 0.4181, 0.4103



30.7927, 0.3743, 0.4373

Triad

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



30.7927, 0.4181, 0.4103



30.7927, 0.2208, 0.3255



30.7927, 0.2995, 0.2482

Complementary

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



30.7927, 0.4181, 0.4103



20.0473, 0.2243, 0.2280

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.



30.7927, 0.2468, 0.2347



30.7927, 0.4181, 0.4103



30.7927, 0.2051, 0.2727

Square

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



30.7927, 0.4181, 0.4103



30.7927, 0.2604, 0.3876



30.7927, 0.2142, 0.2420



30.7927, 0.3614, 0.2786

Rectangle

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



30.7927, 0.4181, 0.4103



30.7927, 0.3363, 0.4379



30.7927, 0.2142, 0.2420



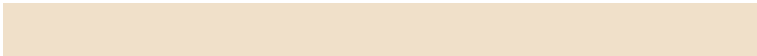
30.7927, 0.2802, 0.2416

Sweetspot

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



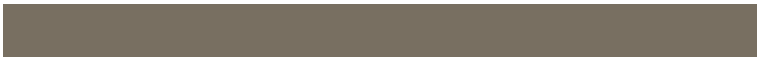
30.7942, 0.4181, 0.4103



76.1322, 0.3392, 0.3532



18.1949, 0.4005, 0.2720



16.1406, 0.3429, 0.3563



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.



30.7942, 0.4181, 0.4103



50.4706, 0.4467, 0.4245



44.1337, 0.3818, 0.4600



9.8784, 0.3273, 0.3426



14.8059, 0.5113, 0.4322



0.6399, 0.4817, 0.4557

Inverse Universe

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



20.0473, 0.2243, 0.2280



28.9618, 0.2052, 0.1998



12.2924, 0.2175, 0.1626



9.2989, 0.2985, 0.3150



5.9193, 0.1694, 0.1297



0.3310, 0.1841, 0.1826

Previews

White Background



This preview shows how the Yxy color 30.7927, 0.4181, 0.4103 looks on a white background.

Color Contrast Check

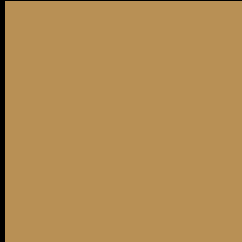
Large Text (above 18pt) WCAG AA × Fail

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 30.7927, 0.4181, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

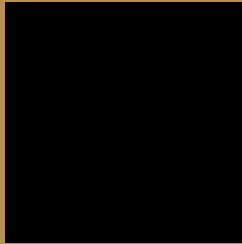
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7927, 0.4181, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 30.7927, 0.4181, 0.4103.



This preview shows how white text looks on a background with the Yxy color 30.7927, 0.4181, 0.4103.

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

30.7927, 0.4181, 0.4103

Protanopia

30.8207, 0.3899, 0.4245

Deuteranopia

30.7927, 0.4181, 0.4103



Tritanopia

30.8167, 0.3602, 0.3154

Trichromacy



Original Color

30.7927, 0.4181, 0.4103

Protanomaly

30.6224, 0.4007, 0.4190

Deuteranomaly

30.7927, 0.4181, 0.4103

Tritanomaly

30.7762, 0.3828, 0.3516

Monochromacy



Original Color

30.7927, 0.4181, 0.4103

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0552, 0.3499, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7927, 0.4181, 0.4103 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(184, 144, 85)` looks like.

```
.text, #text, p{  
    color:rgb(184, 144, 85)  
}
```

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(184, 144, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 144, 85) }
```

Border

The CSS property to change the border of an element to Yxy 30.7927, 0.4181, 0.4103 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(184, 144, 85) }
```

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

```
.border{ border-color:rgb(184, 144, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 144, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 144, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 144, 85);  
box-shadow:4px 4px 4px 4px rgb(184, 144,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7927, 0.4181, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 144, 85) }
```

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

```
.background{ background-color: rgb(184,  
144, 85) }
```

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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