

Converting Colors

$Y_{xy}(29.9485, 0.4021, 0.4020)$

Have a look what the booklet for
Yxy(29.9485, 0.4021, 0.4020)
contains.

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Color

Yxy(30.0839, 0.4025, 0.4025)

Conversions

Conversions Part 1

Format	Color
Hex	B1905D
RGB	177, 144, 93
RGB Percent	69%, 56%, 36%
CMY	0.3058, 0.4353, 0.6353
CMYK	0.00, 0.19, 0.47, 0.31
HSL	36°, 35%, 53%
HSV	36°, 47%, 69%
XYZ	30.0839, 30.0839, 14.5748
YIQ	148.0530, 36.0390, -8.8650

Conversions

Conversions Part 2

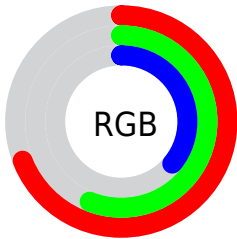
Format	Color
RYB	147, 177, 93
Decimal	11636829
CIELab	61.73, 5.72, 31.70
CIELCh	62, 32.215, 79.770
Yxy	30.0839, 0.4025, 0.4025
Android (android.graphics.Color)	4289826909 (0xFFB1905D)
YUV	148.0530, -27.1411, 25.3865
Hunter-Lab	54.8488, 1.9197, 22.6392

Details

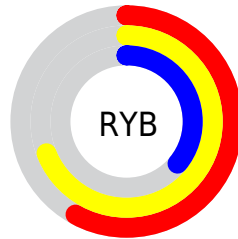
The Yxy color **30.0839, 0.4025, 0.4025** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.4281, 0.2347, 0.2408**, and the grayscale version is **29.7428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8942, 0.3844, 0.3892**, and **12.3324, 0.4305, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **27.7641, 0.4253, 0.4162**, and if you desaturate by 10%, it is **32.6090, 0.3806, 0.3872**.

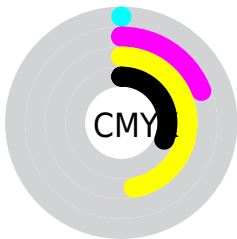
Distribution



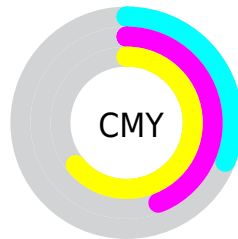
- Red (69%)
- Green (56%)
- Blue (36%)



- Red (58%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (47%)
- Black (31%)




- Cyan (31%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0839, 0.4025, 0.4025 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 30.0839, 0.4025, 0.4025 by changing the saturation by 10% instead.


 30.0839, 0.4025,
0.4025


 30.0839, 0.4025,
0.4025


302.2953, 0.3550,
0.3647


 19.9023, 0.4149,
0.4118

 59.7948, 0.3848,
0.3888


 12.3240, 0.4308,
0.4233


 80.0929, 0.3782,
0.3836

 6.9648, 0.4517,
0.4376


 104.5320, 0.3727,
0.3792

 3.4401, 0.4856,
0.4605

 133.4964, 0.3681,
0.3755

 1.3656, 0.5224,
0.4776

167.3705, 0.3641,
0.3722

 0.1911, 0.6270,
0.3730

206.5388, 0.3607,

 0.0000, 0.0000,

0.3694

0.0000

251.3856, 0.3576,
0.3669

■ 30.0839, 0.4025,
0.4025

■ 30.0839, 0.4025,
0.4025

■ 27.7641, 0.4253,
0.4162

■ 32.6090, 0.3806,
0.3872

■ 25.6381, 0.4480,
0.4273

■ 35.3421, 0.3600,
0.3713

■ 23.6990, 0.4697,
0.4346

■ 38.2909, 0.3412,
0.3554

■ 21.9377, 0.4891,
0.4371

■ 41.4616, 0.3242,
0.3400

■ 20.3416, 0.5054,
0.4346

■ 44.8599, 0.3090,
0.3254

■ 19.9590, 0.5094,
0.4337

■ 48.4913, 0.2955,
0.3117

■ 52.3610, 0.2836,
0.2991

■ 56.4742, 0.2730,
0.2874

■ 60.8358, 0.2637,
0.2767

Harmonies

Analogous

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



30.0839, 0.4169, 0.3661



30.0839, 0.4025, 0.4025



30.0839, 0.3639, 0.4228

Triad

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



30.0839, 0.4025, 0.4025



30.0839, 0.2313, 0.3234



30.0839, 0.3050, 0.2594

Complementary

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



30.0839, 0.4025, 0.4025



20.4281, 0.2347, 0.2408

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.



30.0839, 0.2581, 0.2467



30.0839, 0.4025, 0.4025



30.0839, 0.2185, 0.2786

Square

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



30.0839, 0.4025, 0.4025



30.0839, 0.2651, 0.3759



30.0839, 0.2278, 0.2524



30.0839, 0.3581, 0.2873

Rectangle

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



30.0839, 0.4025, 0.4025



30.0839, 0.3307, 0.4210



30.0839, 0.2278, 0.2524



30.0839, 0.2880, 0.2533

Sweetspot

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



30.0853, 0.4025, 0.4025



70.3485, 0.3355, 0.3503



18.6989, 0.3874, 0.2802



14.9913, 0.3392, 0.3536



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.0853, 0.4025, 0.4025



49.5107, 0.4264, 0.4169



40.6361, 0.3733, 0.4464



9.3347, 0.3272, 0.3428



14.5779, 0.5081, 0.4347



0.5684, 0.4774, 0.4591

Inverse Universe

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



20.4281, 0.2347, 0.2408



30.1640, 0.2174, 0.2168



13.7920, 0.2320, 0.1853



8.7598, 0.2985, 0.3148



5.5455, 0.1686, 0.1268



0.2899, 0.1847, 0.1848

Previews

White Background



This preview shows how the Yxy color 30.0839, 0.4025, 0.4025 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 30.0839, 0.4025, 0.4025 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 30.0839, 0.4025, 0.4025

Background



This preview shows how black text looks on a background with the Yxy color 30.0839, 0.4025, 0.4025.



This preview shows how white text looks on a background with the Yxy color 30.0839, 0.4025, 0.4025.

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

30.0839, 0.4025, 0.4025

Protanopia

30.1076, 0.3814, 0.4114

Deuteranopia

30.1385, 0.4065, 0.4001



Tritanopia

29.9745, 0.3513, 0.3136

Trichromacy



Original Color

30.0839, 0.4025, 0.4025

Protanomaly

30.0004, 0.3893, 0.4083

Deuteranomaly

30.0189, 0.4054, 0.4005

Tritanomaly

30.0180, 0.3705, 0.3465

Monochromacy



Original Color

30.0839, 0.4025, 0.4025

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7969, 0.3445, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0839, 0.4025, 0.4025 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(177, 144, 93)` looks like.

```
.text, #text, p{  
    color:rgb(177, 144, 93)  
}
```

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(177, 144, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 144, 93) }
```

Border

The CSS property to change the border of an element to Yxy 30.0839, 0.4025, 0.4025 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(177, 144, 93) }
```

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

```
.border{ border-color:rgb(177, 144, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 144, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 144, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 144, 93);  
box-shadow:4px 4px 4px 4px rgb(177, 144,  
93) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0839, 0.4025, 0.4025$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 144, 93) }
```

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

```
.background{ background-color: rgb(177,  
144, 93) }
```

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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