

Converting Colors

$Y_{xy}(32.7127, 0.4176, 0.4134)$

Have a look what the booklet for
Yxy(32.7127, 0.4176, 0.4134)
contains.

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Color

Yxy(32.8581, 0.4176, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	BC9556
RGB	188, 149, 86
RGB Percent	74%, 58%, 34%
CMY	0.2627, 0.4157, 0.6627
CMYK	0.00, 0.21, 0.54, 0.26
HSL	37°, 43%, 54%
HSV	37°, 54%, 74%
XYZ	33.1679, 32.8581, 13.3990
YIQ	153.4790, 43.4670, -11.3250

Conversions

Conversions Part 2

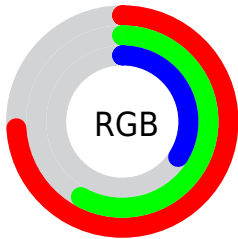
Format	Color
RYB	149, 188, 86
Decimal	12358998
CIELab	64.05, 6.99, 38.53
CIElCh	64, 39.160, 79.716
Yxy	32.8581, 0.4176, 0.4137
Android (android.graphics.Color)	4290549078 (0xFFBC9556)
YUV	153.4790, -33.2671, 30.2749
Hunter-Lab	57.3220, 2.9709, 26.2664

Details

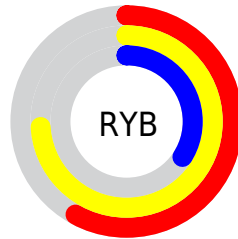
The Yxy color **32.8581, 0.4176, 0.4137** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.2803, 0.2226, 0.2230**, and the grayscale version is **32.2100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1108, 0.3976, 0.3990**, and **13.7808, 0.4482, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **30.3901, 0.4402, 0.4259**, and if you desaturate by 10%, it is **35.5494, 0.3952, 0.3991**.

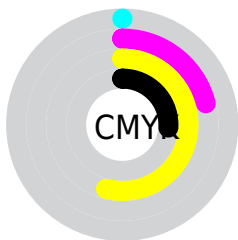
Distribution



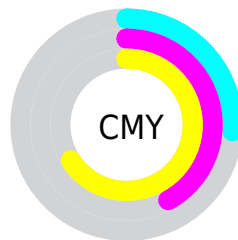
- Red (74%)
- Green (58%)
- Blue (34%)



- Red (58%)
- Yellow (74%)
- Blue (34%)



- Cyan (0%)
- Magenta (21%)
- Yellow (54%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8581, 0.4176, 0.4137 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 32.8581, 0.4176, 0.4137 by changing the saturation by 10% instead.


 32.8581, 0.4176,
0.4137


 32.8581, 0.4176,
0.4137


315.0098, 0.3634,
0.3716


 22.0178, 0.4310,
0.4234


 64.1539, 0.3978,
0.3988


 13.8700, 0.4478,
0.4350


 85.3782, 0.3903,
0.3931

 8.0303, 0.4689,
0.4483


 110.8326, 0.3841,
0.3881

 4.1143, 0.5049,
0.4716

 140.9015, 0.3787,
0.3839

 1.7377, 0.5267,
0.4733

 175.9692, 0.3741,
0.3802

 0.4479, 0.5711,
0.4289

216.4203, 0.3700,

 0.0000, 0.0000,

0.3770

0.0000

262.6390, 0.3665,
0.3741

■ 32.8581, 0.4176,
0.4137

■ 32.8581, 0.4176,
0.4137

■ 30.3901, 0.4402,
0.4259

■ 35.5494, 0.3952,
0.3991

■ 28.1318, 0.4619,
0.4347

■ 38.4675, 0.3738,
0.3832

■ 26.0748, 0.4816,
0.4388

■ 41.6214, 0.3538,
0.3669

■ 24.2075, 0.4983,
0.4379

■ 45.0183, 0.3356,
0.3508

■ 23.2090, 0.5069,
0.4357

■ 48.6649, 0.3192,
0.3353

■ 52.5675, 0.3045,
0.3207

■ 56.7323, 0.2914,
0.3071

■ 61.1651, 0.2799,
0.2945

■ 65.8579, 0.2698,
0.2831

Harmonies

Analogous

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



32.8581, 0.4355, 0.3705



32.8581, 0.4176, 0.4137



32.8581, 0.3718, 0.4397

Triad

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



32.8581, 0.4176, 0.4137



32.8581, 0.2178, 0.3216



32.8581, 0.3030, 0.2485

Complementary

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



32.8581, 0.4176, 0.4137



20.2803, 0.2226, 0.2230

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.



32.8581, 0.2486, 0.2337



32.8581, 0.4176, 0.4137



32.8581, 0.2035, 0.2691

Square

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



32.8581, 0.4176, 0.4137



32.8581, 0.2565, 0.3849



32.8581, 0.2142, 0.2396



32.8581, 0.3659, 0.2802

Rectangle

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



32.8581, 0.4176, 0.4137



32.8581, 0.3328, 0.4389



32.8581, 0.2142, 0.2396



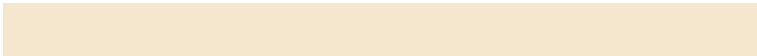
32.8581, 0.2832, 0.2415

Sweetspot

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



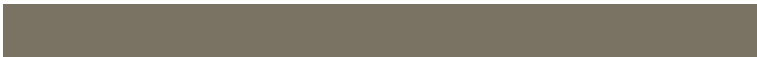
32.8597, 0.4176, 0.4137



80.3093, 0.3391, 0.3540



18.8323, 0.4072, 0.2761



16.9941, 0.3428, 0.3573



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



32.8597, 0.4176, 0.4137



54.3038, 0.4442, 0.4278



45.8846, 0.3791, 0.4627



10.4909, 0.3273, 0.3431



15.9475, 0.5055, 0.4368



0.7474, 0.4798, 0.4573

Inverse Universe

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



20.2803, 0.2226, 0.2230



29.2650, 0.2039, 0.1949



12.8791, 0.2194, 0.1621



9.8074, 0.2984, 0.3144



5.7521, 0.1676, 0.1233



0.3526, 0.1814, 0.1728

Previews

White Background



This preview shows how the Yxy color 32.8581, 0.4176, 0.4137 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 32.8581, 0.4176, 0.4137 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 32.8581, 0.4176, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 32.8581, 0.4176, 0.4137.



This preview shows how white text looks on a background with the Yxy color 32.8581, 0.4176, 0.4137.

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

32.8581, 0.4176, 0.4137

Protanopia

33.1394, 0.3923, 0.4270

Deuteranopia

32.7988, 0.4205, 0.4117



Tritanopia

32.7861, 0.3590, 0.3144

Trichromacy



Original Color

32.8581, 0.4176, 0.4137

Protanomaly

32.8177, 0.4018, 0.4220

Deuteranomaly

32.6705, 0.4195, 0.4121

Tritanomaly

32.7115, 0.3821, 0.3511

Monochromacy



Original Color

32.8581, 0.4176, 0.4137

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.1484, 0.3497, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8581, 0.4176, 0.4137 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(188, 149, 86)` looks like.

```
.text, #text, p{  
    color:rgb(188, 149, 86)  
}
```

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(188, 149, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 149, 86) }
```

Border

The CSS property to change the border of an element to Yxy 32.8581, 0.4176, 0.4137 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(188, 149, 86) }
```

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

```
.border{ border-color:rgb(188, 149, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 149, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 149, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 149, 86);  
box-shadow:4px 4px 4px 4px rgb(188, 149,  
86) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.8581, 0.4176, 0.4137$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 149, 86) }
```

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

```
.background{ background-color: rgb(188,  
149, 86) }
```

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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