

Converting Colors

$Y_{xy}(28.0286, 0.4492, 0.4160)$

Have a look what the booklet for
Yxy(28.0286, 0.4492, 0.4160)
contains.

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Color

Yxy(27.8717, 0.4491, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	BC8543
RGB	188, 133, 67
RGB Percent	74%, 52%, 26%
CMY	0.2627, 0.4784, 0.7373
CMYK	0.00, 0.29, 0.64, 0.26
HSL	33°, 47%, 50%
HSV	33°, 64%, 74%
XYZ	30.1401, 27.8717, 9.1004
YIQ	141.9210, 53.9660, -8.8660

Conversions

Conversions Part 2

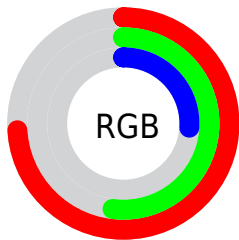
Format	Color
RYB	168, 188, 67
Decimal	12354883
CIELab	59.77, 14.36, 43.20
CIElCh	60, 45.521, 71.618
Yxy	27.8717, 0.4491, 0.4153
Android (android.graphics.Color)	4290544963 (0xFFBC8543)
YUV	141.9210, -36.9361, 40.4113
Hunter-Lab	52.7937, 9.5174, 26.7353

Details

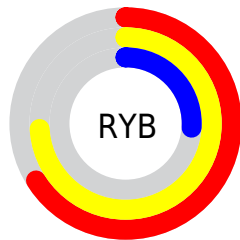
The Yxy color **27.8717, 0.4491, 0.4153** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.7417, 0.2102, 0.2146**, and the grayscale version is **27.1509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1763, 0.4228, 0.4017**, and **11.0523, 0.4902, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **25.4374, 0.4741, 0.4225**, and if you desaturate by 10%, it is **30.5724, 0.4237, 0.4046**.

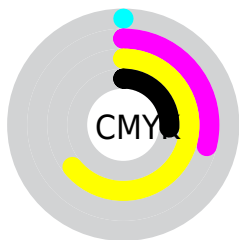
Distribution



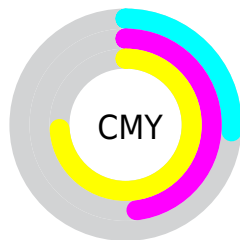
- Red (74%)
- Green (52%)
- Blue (26%)



- Red (66%)
- Yellow (74%)
- Blue (26%)



- Cyan (0%)
- Magenta (29%)
- Yellow (64%)
- Black (26%)





- Cyan (26%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8717, 0.4491, 0.4153 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 27.8717, 0.4491, 0.4153 by changing the saturation by 10% instead.


 27.8717, 0.4491,
0.4153


 27.8717, 0.4491,
0.4153


291.8533, 0.3772,
0.3738


 18.2290, 0.4669,
0.4236


 56.2795, 0.4227,
0.4014


 11.1145, 0.4890,
0.4323


 75.8134, 0.4128,
0.3957


 6.1439, 0.5178,
0.4413

 99.4132, 0.4044,
0.3908

 2.9328, 0.5539,
0.4461

 127.4632, 0.3973,
0.3865

 1.0967, 0.5778,
0.4222

 160.3478, 0.3912,
0.3828

 0.0000, 1.0000,
0.0000

198.4514, 0.3859,

 0.0000, 0.0000,

0.3794

0.0000

242.1585, 0.3813,
0.3765

■ 27.8717, 0.4491,
0.4153

■ 27.8717, 0.4491,
0.4153

■ 25.4374, 0.4741,
0.4225

■ 30.5724, 0.4237,
0.4046

■ 23.2535, 0.4973,
0.4251

■ 33.5460, 0.3991,
0.3916

■ 21.3076, 0.5173,
0.4224

■ 36.8039, 0.3761,
0.3774

■ 20.3038, 0.5276,
0.4193

■ 40.3553, 0.3551,
0.3628

■ 44.2090, 0.3362,
0.3485

■ 48.3733, 0.3194,
0.3348

■ 52.8560, 0.3046,
0.3218

■ 57.6648, 0.2916,
0.3098

■ 62.8069, 0.2803,
0.2987

Harmonies

Analogous

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



27.8717, 0.4613, 0.3605



27.8717, 0.4491, 0.4153



27.8717, 0.3996, 0.4579

Triad

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



27.8717, 0.4491, 0.4153



27.8717, 0.2077, 0.3394



27.8717, 0.2804, 0.2262

Complementary

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



27.8717, 0.4491, 0.4153



18.7417, 0.2102, 0.2146

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.



27.8717, 0.2216, 0.2146



27.8717, 0.4491, 0.4153



27.8717, 0.1838, 0.2691

Square

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



27.8717, 0.4491, 0.4153



27.8717, 0.2600, 0.4186



27.8717, 0.1889, 0.2275



27.8717, 0.3567, 0.2585

Rectangle

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



27.8717, 0.4491, 0.4153



27.8717, 0.3544, 0.4682



27.8717, 0.1889, 0.2275



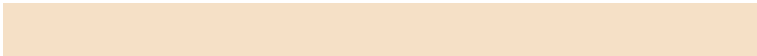
27.8717, 0.2582, 0.2199

Sweetspot

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



27.8731, 0.4491, 0.4153



76.5958, 0.3452, 0.3555



16.1472, 0.4175, 0.2558



16.0462, 0.3507, 0.3597



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.



27.8731, 0.4491, 0.4153



44.5052, 0.4834, 0.4241



46.5592, 0.3972, 0.4772



10.3755, 0.3275, 0.3415



13.9736, 0.5258, 0.4207



0.6765, 0.4938, 0.4461

Inverse Universe

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



18.7417, 0.2102, 0.2146



26.7689, 0.1922, 0.1853



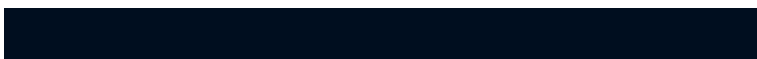
8.9854, 0.1920, 0.1261



9.9204, 0.2984, 0.3162



7.0884, 0.1736, 0.1450



0.4084, 0.1865, 0.1915

Previews

White Background



This preview shows how the Yxy color 27.8717, 0.4491, 0.4153 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8717, 0.4491, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

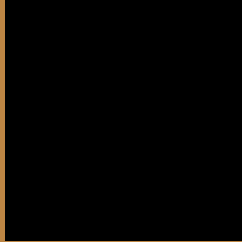
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8717, 0.4491, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 27.8717, 0.4491, 0.4153.



This preview shows how white text looks on a background with the Yxy color 27.8717, 0.4491, 0.4153.

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

27.8717, 0.4491, 0.4153

Protanopia

28.1793, 0.4026, 0.4404

Deuteranopia

27.8684, 0.4360, 0.4260



Tritanopia

27.7540, 0.3831, 0.3155

Trichromacy



Original Color

27.8717, 0.4491, 0.4153

Protanomaly

28.0380, 0.4185, 0.4312

Deuteranomaly

27.9467, 0.4403, 0.4232

Tritanomaly

27.6405, 0.4102, 0.3541

Monochromacy



Original Color

27.8717, 0.4491, 0.4153

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0740, 0.3611, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8717, 0.4491, 0.4153 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, 133, 67)` looks like.

```
.text, #text, p{  
    color:rgb(188, 133, 67)  
}
```

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, 133, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 133, 67) }
```

Border

The CSS property to change the border of an element to Yxy 27.8717, 0.4491, 0.4153 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, 133, 67) }
```

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

```
.border{ border-color:rgb(188, 133, 67) }
```

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

Here you see how a box with a 4 pixel rgb(188, 133, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 133, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 133, 67);  
box-shadow:4px 4px 4px 4px rgb(188, 133,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8717, 0.4491, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 133, 67) }
```

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

```
.background{ background-color: rgb(188,  
133, 67) }
```

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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