

Converting Colors

$Y_{xy}(29.7282, 0.4516, 0.4295)$

Have a look what the booklet for
Yxy(29.7282, 0.4516, 0.4295)
contains.

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Color

Yxy(29.7282, 0.4516, 0.4295)

Conversions

Conversions Part 1

Format	Color
Hex	BE8B3B
RGB	190, 139, 59
RGB Percent	75%, 55%, 23%
CMY	0.2549, 0.4549, 0.7686
CMYK	0.00, 0.27, 0.69, 0.25
HSL	37°, 53%, 49%
HSV	37°, 69%, 75%
XYZ	31.2579, 29.7282, 8.2298
YIQ	145.1290, 56.0760, -14.0680

Conversions

Conversions Part 2

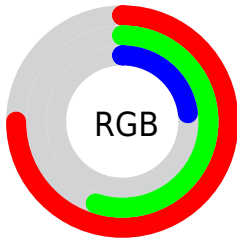
Format	Color
R_{YB}	143, 190, 59
Decimal	12487483
CIE _{Lab}	61.42, 11.42, 48.92
CIE _{LCh}	61, 50.236, 76.857
Yxy	29.7282, 0.4516, 0.4295
Android (android.graphics.Color)	4290677563 (0xFFBE8B3B)
YUV	145.1290, -42.4616, 39.3519
Hunter-Lab	54.5236, 6.9162, 29.2173

Details

The Yxy color **29.7282, 0.4516, 0.4295** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.8021, 0.2000, 0.1896**, and the grayscale version is **28.5309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1491, 0.4266, 0.4131**, and **12.1357, 0.4893, 0.4479** is the 20% darker color. If you saturate the color by 10%, you get **27.4967, 0.4728, 0.4361**, and if you desaturate by 10%, it is **32.1793, 0.4290, 0.4189**.

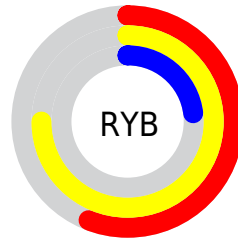
Distribution



Red (75%)

Green (55%)

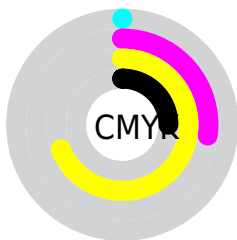
Blue (23%)



Red (56%)

Yellow (75%)

Blue (23%)

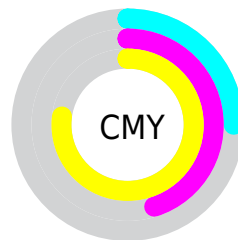


Cyan (0%)

Magenta (27%)

Yellow (69%)

Black (25%)



Cyan (25%)


Magenta (45%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7282, 0.4516, 0.4295 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 29.7282, 0.4516, 0.4295 by changing the saturation by 10% instead.


 29.7282, 0.4516,
0.4295


 29.7282, 0.4516,
0.4295


300.6355, 0.3803,
0.3817

 19.6324, 0.4683,
0.4389


 59.2321, 0.4261,
0.4136

 12.1281, 0.4882,
0.4486


 79.4089, 0.4163,
0.4071


 6.8310, 0.5150,
0.4603


 103.7149, 0.4080,
0.4014


 3.3566, 0.5385,
0.4615

 132.5344, 0.4008,
0.3964

 1.3206, 0.5563,
0.4437

 166.2518, 0.3946,
0.3921

 0.1571, 0.7316,
0.2684

 205.2515, 0.3892,

 0.0000, 0.0000,

0.3882

0.0000

249.9179, 0.3845,
0.3847

■ 29.7282, 0.4516,
0.4295

■ 29.7282, 0.4516,
0.4295

■ 27.4967, 0.4728,
0.4361

■ 32.1793, 0.4290,
0.4189

■ 25.4694, 0.4916,
0.4377

■ 34.8555, 0.4061,
0.4054

■ 23.6306, 0.5073,
0.4345

■ 37.7669, 0.3840,
0.3902

■ 23.4448, 0.5089,
0.4341

■ 40.9218, 0.3632,
0.3741

■ 44.3278, 0.3440,
0.3580

■ 47.9922, 0.3267,
0.3424

■ 51.9217, 0.3112,
0.3275

■ 56.1228, 0.2973,
0.3135

■ 60.6018, 0.2851,
0.3006

Harmonies

Analogous

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



29.7282, 0.4739, 0.3716



29.7282, 0.4516, 0.4295



29.7282, 0.3928, 0.4725

Triad

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



29.7282, 0.4516, 0.4295



29.7282, 0.1934, 0.3245



29.7282, 0.2911, 0.2240

Complementary

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



29.7282, 0.4516, 0.4295



15.8021, 0.2000, 0.1896

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.



29.7282, 0.2241, 0.2074



29.7282, 0.4516, 0.4295



29.7282, 0.1741, 0.2538

Square

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



29.7282, 0.4516, 0.4295



29.7282, 0.2438, 0.4127



29.7282, 0.1847, 0.2158



29.7282, 0.3745, 0.2614

Rectangle

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



29.7282, 0.4516, 0.4295



29.7282, 0.3428, 0.4791



29.7282, 0.1847, 0.2158



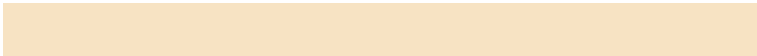
29.7282, 0.2660, 0.2160

Sweetspot

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



29.7297, 0.4516, 0.4295



78.8040, 0.3485, 0.3619



15.2333, 0.4455, 0.2642



16.9223, 0.3537, 0.3664



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



29.7297, 0.4516, 0.4295



47.7973, 0.4833, 0.4376



46.4792, 0.3930, 0.4896



10.4798, 0.3274, 0.3430



15.7452, 0.5074, 0.4353



0.7403, 0.4811, 0.4562

Inverse Universe

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



15.8021, 0.2000, 0.1896



21.1441, 0.1808, 0.1544



8.2291, 0.1897, 0.1153



9.8182, 0.2984, 0.3146



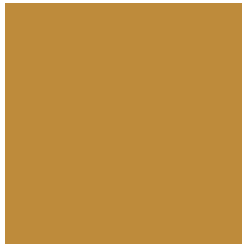
5.8689, 0.1681, 0.1252



0.3577, 0.1818, 0.1746

Previews

White Background



This preview shows how the Yxy color 29.7282, 0.4516, 0.4295 looks on a white background.

Color Contrast Check

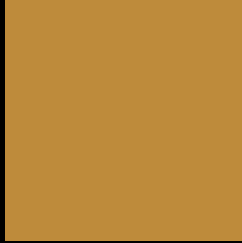
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7282, 0.4516, 0.4295 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 29.7282, 0.4516, 0.4295

Background



This preview shows how black text looks on a background with the Yxy color 29.7282, 0.4516, 0.4295.



This preview shows how white text looks on a background with the Yxy color 29.7282, 0.4516, 0.4295.

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

29.7282, 0.4516, 0.4295

Protanopia

29.8420, 0.4120, 0.4531

Deuteranopia

29.6695, 0.4449, 0.4357



Tritanopia

29.8618, 0.3782, 0.3171

Trichromacy



Original Color

29.7282, 0.4516, 0.4295

Protanomaly

29.5864, 0.4265, 0.4440

Deuteranomaly

29.6265, 0.4481, 0.4333

Tritanomaly

29.6672, 0.4088, 0.3605

Monochromacy



Original Color

29.7282, 0.4516, 0.4295

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4369, 0.3628, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7282, 0.4516, 0.4295 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(190, 139, 59)` looks like.

```
.text, #text, p{  
    color:rgb(190, 139, 59)  
}
```

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(190, 139, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 139, 59) }
```

Border

The CSS property to change the border of an element to Yxy 29.7282, 0.4516, 0.4295 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(190, 139, 59) }
```

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

```
.border{ border-color:rgb(190, 139, 59) }
```

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

Here you see how a box with a 4 pixel rgb(190, 139, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 139, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 139, 59);  
box-shadow:4px 4px 4px 4px rgb(190, 139,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7282, 0.4516, 0.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 139, 59) }
```

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

```
.background{ background-color: rgb(190,  
139, 59) }
```

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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