

Converting Colors

$Y_{xy}(30.1472, 0.4724, 0.4310)$

Have a look what the booklet for
Yxy(30.1472, 0.4724, 0.4310)
contains.

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Color

Yxy(29.9557, 0.4725, 0.4306)

Conversions

Conversions Part 1

Format	Color
Hex	C7882F
RGB	199, 136, 47
RGB Percent	78%, 53%, 18%
CMY	0.2196, 0.4666, 0.8156
CMYK	0.00, 0.32, 0.76, 0.22
HSL	35°, 62%, 48%
HSV	35°, 76%, 78%
XYZ	32.8706, 29.9557, 6.7411
YIQ	144.6910, 66.1170, -14.3230

Conversions

Conversions Part 2

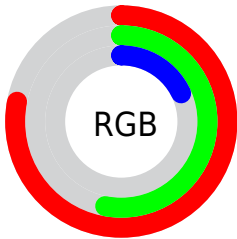
Format	Color
R_{YB}	155, 199, 47
Decimal	13076527
CIE _{Lab}	61.62, 16.41, 54.70
CIE _{LCh}	62, 57.109, 73.301
Yxy	29.9557, 0.4725, 0.4306
Android (android.graphics.Color)	4291266607 (0xFFC7882F)
YUV	144.6910, -48.1617, 47.6290
Hunter-Lab	54.7318, 11.4221, 31.0098

Details

The Yxy color **29.9557, 0.4725, 0.4306** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.8837, 0.1914, 0.1782**, and the grayscale version is **28.3642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5560, 0.4403, 0.4180**, and **12.2310, 0.5053, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **27.5967, 0.4932, 0.4329**, and if you desaturate by 10%, it is **32.5698, 0.4496, 0.4235**.

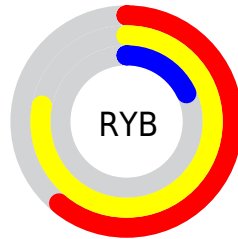
Distribution



Red (78%)

Green (53%)

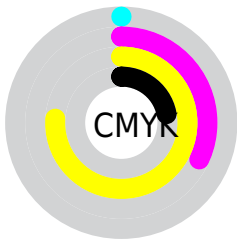
Blue (18%)



Red (61%)

Yellow (78%)

Blue (18%)

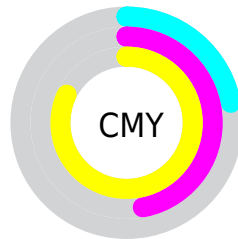


Cyan (0%)

Magenta (32%)

Yellow (76%)

Black (22%)



Cyan (22%)


Magenta (47%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9557, 0.4725, 0.4306 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 29.9557, 0.4725, 0.4306 by changing the saturation by 10% instead.


 29.9557, 0.4725,
0.4306


 29.9557, 0.4725,
0.4306


301.6979, 0.3915,
0.3851


 19.8050, 0.4907,
0.4380


 59.5921, 0.4440,
0.4165


 12.2534, 0.5117,
0.4444


 79.8466, 0.4329,
0.4104


 6.9165, 0.5449,
0.4551


 104.2378, 0.4234,
0.4049

 3.4099, 0.5593,
0.4407

 133.1500, 0.4152,
0.4000

 1.3493, 0.5834,
0.4166

 166.9678, 0.4081,
0.3956

 0.1789, 0.7613,
0.2387

 206.0754, 0.4019,

 0.0000, 0.0000,

0.3917

0.0000

250.8573, 0.3964,
0.3882

■ 29.9557, 0.4725,
0.4306

■ 29.9557, 0.4725,
0.4306

■ 27.5967, 0.4932,
0.4329

■ 32.5698, 0.4496,
0.4235

■ 25.4728, 0.5105,
0.4299

■ 35.4470, 0.4257,
0.4126

■ 24.7516, 0.5165,
0.4281

■ 38.6003, 0.4021,
0.3991

■ 42.0400, 0.3796,
0.3841

■ 45.7756, 0.3587,
0.3685

■ 49.8163, 0.3396,
0.3530

■ 54.1706, 0.3226,
0.3381

■ 58.8465, 0.3074,
0.3240

■ 63.8518, 0.2940,
0.3108

Harmonies

Analogous

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



29.9557, 0.4936, 0.3655



29.9557, 0.4725, 0.4306



29.9557, 0.4090, 0.4853

Triad

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



29.9557, 0.4725, 0.4306



29.9557, 0.1841, 0.3341



29.9557, 0.2774, 0.2094

Complementary

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



29.9557, 0.4725, 0.4306



15.8837, 0.1914, 0.1782

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.



29.9557, 0.2070, 0.1940



29.9557, 0.4725, 0.4306



29.9557, 0.1600, 0.2506

Square

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



29.9557, 0.4725, 0.4306



29.9557, 0.2428, 0.4364



29.9557, 0.1681, 0.2057



29.9557, 0.3708, 0.2477

Rectangle

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



29.9557, 0.4725, 0.4306



29.9557, 0.3542, 0.5007



29.9557, 0.1681, 0.2057



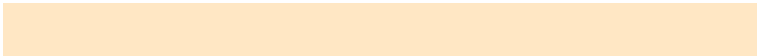
29.9557, 0.2506, 0.2015

Sweetspot

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



29.9572, 0.4725, 0.4306



82.2399, 0.3527, 0.3638



15.3101, 0.4639, 0.2592



17.0637, 0.3599, 0.3695



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



29.9572, 0.4725, 0.4306



45.6837, 0.5056, 0.4313



51.5324, 0.3996, 0.4990



11.6515, 0.3275, 0.3425



16.0923, 0.5148, 0.4295



0.9024, 0.4897, 0.4494

Inverse Universe

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



15.8837, 0.1914, 0.1782



20.2453, 0.1742, 0.1423



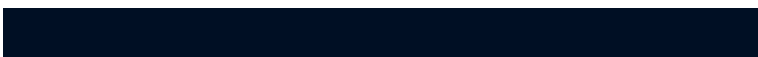
7.1093, 0.1756, 0.0948



10.9977, 0.2983, 0.3151



6.7430, 0.1701, 0.1322



0.4615, 0.1817, 0.1740

Previews

White Background



This preview shows how the Yxy color 29.9557, 0.4725, 0.4306 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 29.9557, 0.4725, 0.4306 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 29.9557, 0.4725, 0.4306

Background



This preview shows how black text looks on a background with the Yxy color 29.9557, 0.4725, 0.4306.



This preview shows how white text looks on a background with the Yxy color 29.9557, 0.4725, 0.4306.

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

29.9557, 0.4725, 0.4306

Protanopia

29.9494, 0.4216, 0.4629

Deuteranopia

30.1003, 0.4545, 0.4465



Tritanopia

29.8223, 0.3924, 0.3162

Trichromacy



Original Color

29.9557, 0.4725, 0.4306

Protanomaly

29.7605, 0.4407, 0.4501

Deuteranomaly

30.0298, 0.4604, 0.4409

Tritanomaly

29.5213, 0.4284, 0.3630

Monochromacy



Original Color

29.9557, 0.4725, 0.4306

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4495, 0.3732, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9557, 0.4725, 0.4306 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(199, 136, 47)` looks like.

```
.text, #text, p{  
    color:rgb(199, 136, 47)  
}
```

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(199, 136, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 136, 47) }
```

Border

The CSS property to change the border of an element to Yxy 29.9557, 0.4725, 0.4306 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(199, 136, 47) }
```

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

```
.border{ border-color:rgb(199, 136, 47) }
```

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

Here you see how a box with a 4 pixel rgb(199, 136, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 136, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 136, 47);  
box-shadow:4px 4px 4px 4px rgb(199, 136,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9557, 0.4725, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 136, 47) }
```

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

```
.background{ background-color: rgb(199,  
136, 47) }
```

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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