

Converting Colors

$Y_{xy}(29.6943, 0.4954, 0.4099)$

Have a look what the booklet for
Yxy(29.6943, 0.4954, 0.4099)
contains.

Yxy(29.7052, 0.4954, 0.4099)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7052, 0.4954, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	D67F32
RGB	214, 127, 50
RGB Percent	84%, 50%, 20%
CMY	0.1607, 0.5020, 0.8038
CMYK	0.00, 0.41, 0.77, 0.16
HSL	28°, 67%, 52%
HSV	28°, 77%, 84%
XYZ	35.9013, 29.7052, 6.8629
YIQ	144.2350, 76.5690, -5.5030

Conversions

Conversions Part 2

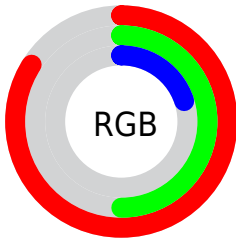
Format	Color
R _Y B	214, 195, 50
Decimal	14057266
CIE Lab	61.40, 27.82, 53.85
CIE LCh	61, 60.613, 62.683
Yxy	29.7052, 0.4954, 0.4099
Android (android.graphics.Color)	4292247346 (0xFFD67F32)
YUV	144.2350, -46.4579, 61.1839
Hunter-Lab	54.5025, 22.2004, 30.6860

Details

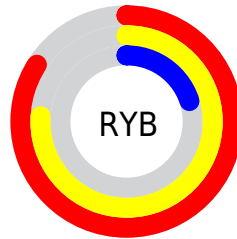
The Yxy color **29.7052, 0.4954, 0.4099** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.4433, 0.1986, 0.2078**, and the grayscale version is **28.1596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8421, 0.4455, 0.4078**, and **12.1778, 0.5387, 0.4105** is the 20% darker color. If you saturate the color by 10%, you get **26.7929, 0.5218, 0.4093**, and if you desaturate by 10%, it is **33.0376, 0.4667, 0.4055**.

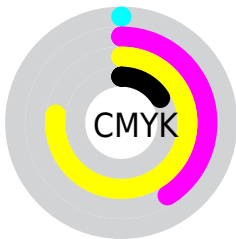
Distribution



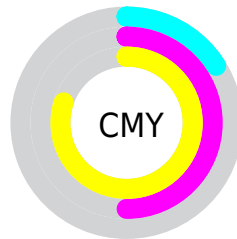
- Red (84%)
- Green (50%)
- Blue (20%)



- Red (84%)
- Yellow (76%)
- Blue (20%)



- Cyan (0%)
- Magenta (41%)
- Yellow (77%)
- Black (16%)





- Cyan (16%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7052, 0.4954, 0.4099 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 29.7052, 0.4954, 0.4099 by changing the saturation by 10% instead.


 29.7052, 0.4954,
0.4099

 29.7052, 0.4954,
0.4099


300.5279, 0.4017,
0.3773

 19.6149, 0.5170,
0.4135


 59.1957, 0.4621,
0.4010

 12.1155, 0.5426,
0.4147


 79.3646, 0.4492,
0.3967

 6.8224, 0.5816,
0.4172


 103.6620, 0.4382,
0.3927

 3.3513, 0.6051,
0.3949

 132.4721, 0.4288,
0.3890

 1.3177, 0.6419,
0.3581

 166.1793, 0.4207,
0.3856

 0.1549, 0.8421,
0.1579

 205.1681, 0.4135,

 0.0000, 0.0000,

0.3826

0.0000

249.8228, 0.4072,
0.3798

■ 29.7052, 0.4954,
0.4099

■ 29.7052, 0.4954,
0.4099

■ 26.7929, 0.5218,
0.4093

■ 33.0376, 0.4667,
0.4055

■ 24.2716, 0.5442,
0.4032

■ 36.8065, 0.4378,
0.3972

■ 23.4980, 0.5512,
0.4005

■ 41.0326, 0.4100,
0.3864

■ 45.7335, 0.3844,
0.3741

■ 50.9256, 0.3614,
0.3614

■ 56.6245, 0.3410,
0.3488

■ 62.8449, 0.3232,
0.3366

■ 69.6010, 0.3077,
0.3252

■ 76.9060, 0.2943,
0.3146

Harmonies

Analogous

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



29.7052, 0.4980, 0.3419



29.7052, 0.4954, 0.4099



29.7052, 0.4403, 0.4753

Triad

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



29.7052, 0.4954, 0.4099



29.7052, 0.1944, 0.3730



29.7052, 0.2451, 0.1948

Complementary

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



29.7052, 0.4954, 0.4099



23.4433, 0.1986, 0.2078

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.



29.7052, 0.1833, 0.1880



29.7052, 0.4954, 0.4099



29.7052, 0.1570, 0.2717

Square

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



29.7052, 0.4954, 0.4099



29.7052, 0.2668, 0.4761



29.7052, 0.1543, 0.2109



29.7052, 0.3376, 0.2267

Rectangle

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



29.7052, 0.4954, 0.4099



29.7052, 0.3865, 0.5056



29.7052, 0.1543, 0.2109



29.7052, 0.2207, 0.1895

Sweetspot

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



29.7068, 0.4954, 0.4099



78.5056, 0.3542, 0.3571



18.4035, 0.4315, 0.2375



16.1622, 0.3619, 0.3617



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.



29.7068, 0.4954, 0.4099



37.4106, 0.5364, 0.4061



59.9109, 0.4153, 0.4878



13.3721, 0.3279, 0.3400



14.4050, 0.5488, 0.4024



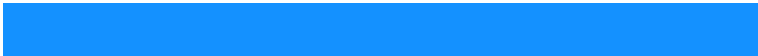
1.0337, 0.5207, 0.4248

Inverse Universe

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



23.4433, 0.1986, 0.2078



27.5932, 0.1842, 0.1786



8.3153, 0.1695, 0.0949



13.0889, 0.2982, 0.3178



10.3602, 0.1803, 0.1691



0.7900, 0.1886, 0.1989

Previews

White Background



This preview shows how the Yxy color 29.7052, 0.4954, 0.4099 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 29.7052, 0.4954, 0.4099 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 29.7052, 0.4954, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 29.7052, 0.4954, 0.4099.



This preview shows how white text looks on a background with the Yxy color 29.7052, 0.4954, 0.4099.

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

29.7052, 0.4954, 0.4099

Protanopia

29.8874, 0.4173, 0.4587

Deuteranopia

29.6783, 0.4546, 0.4460



Tritanopia

29.6576, 0.4231, 0.3184

Trichromacy



Original Color

29.7052, 0.4954, 0.4099

Protanomaly

29.3834, 0.4456, 0.4405

Deuteranomaly

29.5493, 0.4695, 0.4324

Tritanomaly

29.5909, 0.4550, 0.3555

Monochromacy



Original Color

29.7052, 0.4954, 0.4099

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7378, 0.3788, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7052, 0.4954, 0.4099 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(214, 127, 50)` looks like.

```
.text, #text, p{  
    color:rgb(214, 127, 50)  
}
```

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(214, 127, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 127, 50) }
```

Border

The CSS property to change the border of an element to Yxy 29.7052, 0.4954, 0.4099 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(214, 127, 50) }
```

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

```
.border{ border-color:rgb(214, 127, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 127, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 127, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 127, 50);  
box-shadow:4px 4px 4px 4px rgb(214, 127,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7052, 0.4954, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 127, 50) }
```

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

```
.background{ background-color: rgb(214,  
127, 50) }
```

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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