

Converting Colors

$Y_{xy}(28.1233, 0.4615, 0.4090)$

Have a look what the booklet for
Yxy(28.1233, 0.4615, 0.4090)
contains.

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Color

$\text{Yxy}(28.0944, 0.4617, 0.4088)$

Conversions

Conversions Part 1

Format	Color
Hex	C48242
RGB	196, 130, 66
RGB Percent	77%, 51%, 26%
CMY	0.2314, 0.4902, 0.7413
CMYK	0.00, 0.34, 0.66, 0.23
HSL	30°, 52%, 51%
HSV	30°, 66%, 77%
XYZ	31.7299, 28.0944, 8.8998
YIQ	142.4380, 59.8800, -5.9120

Conversions

Conversions Part 2

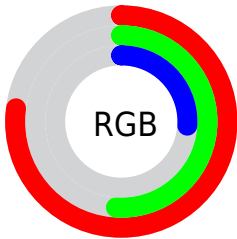
Format	Color
R_{YB}	196, 192, 66
Decimal	12878402
CIE _{Lab}	59.97, 19.38, 44.19
CIE _{LCh}	60, 48.256, 66.321
Yxy	28.0944, 0.4617, 0.4088
Android (android.graphics.Color)	4291068482 (0xFFC48242)
YUV	142.4380, -37.6839, 46.9739
Hunter-Lab	53.0042, 14.0983, 27.1477

Details

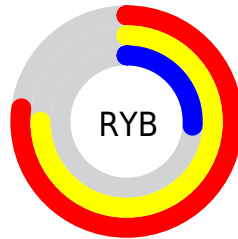
The Yxy color **28.0944, 0.4617, 0.4088** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.6344, 0.2100, 0.2221**, and the grayscale version is **27.3674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3879, 0.4322, 0.3974**, and **11.1780, 0.5061, 0.4208** is the 20% darker color. If you saturate the color by 10%, you get **25.3832, 0.4891, 0.4140**, and if you desaturate by 10%, it is **31.1434, 0.4340, 0.3999**.

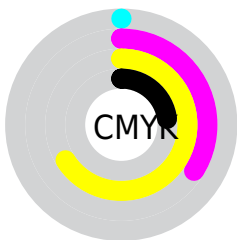
Distribution



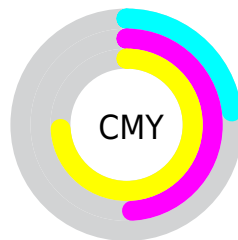
- Red (77%)
- Green (51%)
- Blue (26%)



- Red (77%)
- Yellow (75%)
- Blue (26%)



- Cyan (0%)
- Magenta (34%)
- Yellow (66%)
- Black (23%)





- Cyan (23%)
- Magenta (49%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0944, 0.4617, 0.4088 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 28.0944, 0.4617, 0.4088 by changing the saturation by 10% instead.


 28.0944, 0.4617,
0.4088

 28.0944, 0.4617,
0.4088


292.9177, 0.3831,
0.3720


 18.3968, 0.4812,
0.4154


 56.6351, 0.4329,
0.3970

 11.2353, 0.5053,
0.4216

 76.2471, 0.4220,
0.3920


 6.2253, 0.5370,
0.4271

 99.9326, 0.4129,
0.3876

 2.9826, 0.5751,
0.4249

 128.0761, 0.4052,
0.3837

 1.1226, 0.6054,
0.3946

 161.0620, 0.3985,
0.3803

 0.0000, 1.0000,
0.0000

199.2746, 0.3927,

 0.0000, 0.0000,

0.3772

0.0000

243.0984, 0.3876,
0.3745

■ 28.0944, 0.4617,
0.4088

■ 28.0944, 0.4617,
0.4088

■ 25.3832, 0.4891,
0.4140

■ 31.1434, 0.4340,
0.3999

■ 22.9900, 0.5144,
0.4143

■ 34.5403, 0.4072,
0.3884

■ 20.8976, 0.5361,
0.4092

■ 38.2995, 0.3825,
0.3756

■ 20.1978, 0.5435,
0.4066

■ 42.4334, 0.3601,
0.3624

■ 46.9535, 0.3402,
0.3492

■ 51.8709, 0.3226,
0.3366

■ 57.1960, 0.3074,
0.3248

■ 62.9388, 0.2941,
0.3137

■ 69.1091, 0.2825,
0.3035

Harmonies

Analogous

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



28.0944, 0.4668, 0.3507



28.0944, 0.4617, 0.4088



28.0944, 0.4147, 0.4582

Triad

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



28.0944, 0.4617, 0.4088



28.0944, 0.2097, 0.3549



28.0944, 0.2658, 0.2176

Complementary

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



28.0944, 0.4617, 0.4088



21.6344, 0.2100, 0.2221

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.



28.0944, 0.2090, 0.2095



28.0944, 0.4617, 0.4088



28.0944, 0.1798, 0.2763

Square

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



28.0944, 0.4617, 0.4088



28.0944, 0.2688, 0.4369



28.0944, 0.1801, 0.2275



28.0944, 0.3442, 0.2477

Rectangle

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



28.0944, 0.4617, 0.4088



28.0944, 0.3690, 0.4755



28.0944, 0.1801, 0.2275



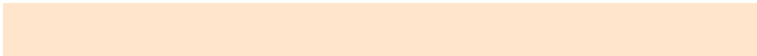
28.0944, 0.2439, 0.2122

Sweetspot

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



28.0958, 0.4617, 0.4088



81.7231, 0.3478, 0.3544



17.3261, 0.4116, 0.2463



16.9935, 0.3535, 0.3582



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.



28.0958, 0.4617, 0.4088



43.7833, 0.5019, 0.4148



50.6367, 0.4045, 0.4764



10.8787, 0.3277, 0.3404



13.1499, 0.5413, 0.4084



0.7061, 0.5071, 0.4355

Inverse Universe

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



21.6344, 0.2100, 0.2221



31.2109, 0.1926, 0.1935



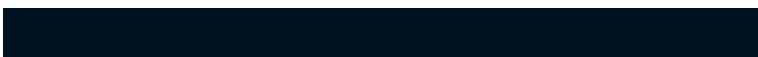
9.2935, 0.1859, 0.1209



10.5740, 0.2984, 0.3174



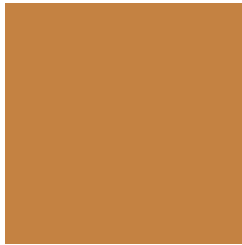
8.5250, 0.1784, 0.1620



0.5061, 0.1895, 0.2022

Previews

White Background



This preview shows how the Yxy color 28.0944, 0.4617, 0.4088 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 28.0944, 0.4617, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

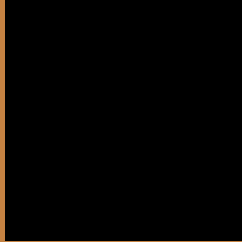
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0944, 0.4617, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 28.0944, 0.4617, 0.4088.



This preview shows how white text looks on a background with the Yxy color 28.0944, 0.4617, 0.4088.

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

28.0944, 0.4617, 0.4088

Protanopia

28.1793, 0.4026, 0.4404

Deuteranopia

28.2504, 0.4378, 0.4289



Tritanopia

28.1112, 0.3959, 0.3173

Trichromacy



Original Color

28.0944, 0.4617, 0.4088

Protanomaly

28.0701, 0.4237, 0.4296

Deuteranomaly

28.1487, 0.4466, 0.4209

Tritanomaly

28.1465, 0.4230, 0.3531

Monochromacy



Original Color

28.0944, 0.4617, 0.4088

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0732, 0.3661, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0944, 0.4617, 0.4088 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(196, 130, 66)` looks like.

```
.text, #text, p{  
    color:rgb(196, 130, 66)  
}
```

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(196, 130, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 130, 66) }
```

Border

The CSS property to change the border of an element to Yxy 28.0944, 0.4617, 0.4088 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(196, 130, 66) }
```

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

```
.border{ border-color:rgb(196, 130, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 130, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 130, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 130, 66);  
box-shadow:4px 4px 4px 4px rgb(196, 130,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0944, 0.4617, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 130, 66) }
```

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

```
.background{ background-color: rgb(196,  
130, 66) }
```

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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