

Converting Colors

$Y_{xy}(31.0153, 0.4627, 0.4267)$

Have a look what the booklet for
Yxy(31.0153, 0.4627, 0.4267)
contains.

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Color

Yxy(30.9028, 0.4624, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	C78B39
RGB	199, 139, 57
RGB Percent	78%, 55%, 22%
CMY	0.2197, 0.4548, 0.7765
CMYK	0.00, 0.30, 0.71, 0.22
HSL	35°, 56%, 50%
HSV	35°, 71%, 78%
XYZ	33.5197, 30.9028, 8.0682
YIQ	147.5920, 62.0820, -12.7820

Conversions

Conversions Part 2

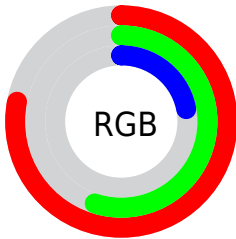
Format	Color
RYB	161, 199, 57
Decimal	13077305
CIELab	62.43, 15.22, 51.21
CIELCh	62, 53.425, 73.452
Yxy	30.9028, 0.4624, 0.4263
Android (android.graphics.Color)	4291267385 (0xFFC78B39)
YUV	147.5920, -44.6619, 45.0848
Hunter-Lab	55.5903, 10.3486, 30.3080

Details

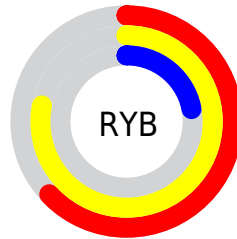
The Yxy color **30.9028, 0.4624, 0.4263** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.7045, 0.1983, 0.1914**, and the grayscale version is **29.6061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0420, 0.4322, 0.4132**, and **12.8075, 0.5008, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **28.4021, 0.4847, 0.4310**, and if you desaturate by 10%, it is **33.6714, 0.4385, 0.4173**.

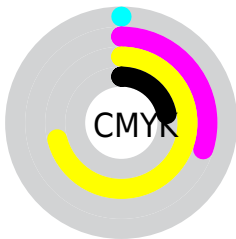
Distribution



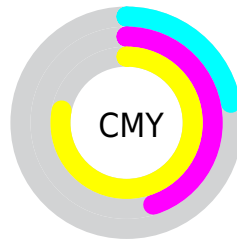
- Red (78%)
- Green (55%)
- Blue (22%)



- Red (63%)
- Yellow (78%)
- Blue (22%)



- Cyan (0%)
- Magenta (30%)
- Yellow (71%)
- Black (22%)





- Cyan (22%)
- Magenta (45%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9028, 0.4624, 0.4263 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 30.9028, 0.4624, 0.4263 by changing the saturation by 10% instead.


 30.9028, 0.4624,
0.4263


 30.9028, 0.4624,
0.4263


306.0903, 0.3861,
0.3817


 20.5248, 0.4800,
0.4343


 61.0870, 0.4353,
0.4120


 12.7771, 0.5009,
0.4419

 81.6620, 0.4248,
0.4060


 7.2753, 0.5290,
0.4507


 106.4049, 0.4159,
0.4007

 3.6348, 0.5530,
0.4470

 135.7000, 0.4082,
0.3959

 1.4715, 0.5745,
0.4255

 169.9317, 0.4016,
0.3918

 0.2685, 0.7000,
0.3000

 209.4843, 0.3958,

 0.0000, 0.0000,

0.3880

0.0000

254.7424, 0.3906,
0.3847

■ 30.9028, 0.4624,
0.4263

■ 30.9028, 0.4624,
0.4263

■ 28.4021, 0.4847,
0.4310

■ 33.6714, 0.4385,
0.4173

■ 26.1509, 0.5042,
0.4304

■ 36.7156, 0.4143,
0.4051

■ 24.3882, 0.5187,
0.4263

■ 40.0477, 0.3910,
0.3909

■ 43.6781, 0.3690,
0.3757

■ 47.6163, 0.3490,
0.3603

■ 51.8711, 0.3309,
0.3452

■ 56.4512, 0.3148,
0.3309

■ 61.3645, 0.3005,
0.3174

■ 66.6190, 0.2879,
0.3049

Harmonies

Analogous

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



30.9028, 0.4810, 0.3653



30.9028, 0.4624, 0.4263



30.9028, 0.4038, 0.4754

Triad

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



30.9028, 0.4624, 0.4263



30.9028, 0.1924, 0.3340



30.9028, 0.2806, 0.2167

Complementary

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



30.9028, 0.4624, 0.4263



17.7045, 0.1983, 0.1914

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.



30.9028, 0.2141, 0.2021



30.9028, 0.4624, 0.4263



30.9028, 0.1691, 0.2565

Square

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



30.9028, 0.4624, 0.4263



30.9028, 0.2480, 0.4270



30.9028, 0.1768, 0.2136



30.9028, 0.3673, 0.2531

Rectangle

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



30.9028, 0.4624, 0.4263



30.9028, 0.3525, 0.4876



30.9028, 0.1768, 0.2136



30.9028, 0.2554, 0.2092

Sweetspot

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



30.9044, 0.4624, 0.4263



83.4286, 0.3489, 0.3602



16.3852, 0.4447, 0.2573



17.4315, 0.3543, 0.3645



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.



30.9044, 0.4624, 0.4263



47.3629, 0.4967, 0.4313



52.0157, 0.3989, 0.4909



11.6374, 0.3275, 0.3423



15.8628, 0.5170, 0.4277



0.8923, 0.4913, 0.4481

Inverse Universe

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



17.7045, 0.1983, 0.1914



23.1097, 0.1801, 0.1569



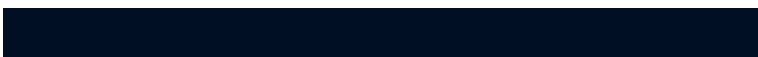
8.2226, 0.1821, 0.1066



11.0114, 0.2983, 0.3153



6.8981, 0.1707, 0.1346



0.4694, 0.1823, 0.1761

Previews

White Background



This preview shows how the Yxy color 30.9028, 0.4624, 0.4263 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9028, 0.4624, 0.4263 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 ✓ Pass

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

Yxy 30.9028, 0.4624, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 30.9028, 0.4624, 0.4263.



This preview shows how white text looks on a background with the Yxy color 30.9028, 0.4624, 0.4263.

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

30.9028, 0.4624, 0.4263

Protanopia

31.2284, 0.4144, 0.4552

Deuteranopia

31.0509, 0.4474, 0.4386



Tritanopia

30.6961, 0.3875, 0.3162

Trichromacy



Original Color

30.9028, 0.4624, 0.4263

Protanomaly

30.8970, 0.4319, 0.4438

Deuteranomaly

30.9690, 0.4537, 0.4340

Tritanomaly

30.4574, 0.4195, 0.3593

Monochromacy



Original Color

30.9028, 0.4624, 0.4263

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7041, 0.3678, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9028, 0.4624, 0.4263 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, 139, 57)` looks like.

```
.text, #text, p{  
    color:rgb(199, 139, 57)  
}
```

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, 139, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 57) }
```

Border

The CSS property to change the border of an element to Yxy 30.9028, 0.4624, 0.4263 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, 139, 57) }
```

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

```
.border{ border-color:rgb(199, 139, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 139, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 57);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9028, 0.4624, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 57) }
```

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

```
.background{ background-color: rgb(199,  
139, 57) }
```

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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