

Converting Colors

$Y_{xy}(30.8153, 0.4764, 0.4599)$

Have a look what the booklet for
Yxy(30.8153, 0.4764, 0.4599)
contains.

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Color

Yxy(30.8153, 0.4764, 0.4599)

Conversions

Conversions Part 1

Format	Color
Hex	C28E00
RGB	194, 142, 0
RGB Percent	76%, 56%, 0%
CMY	0.2392, 0.4431, 0.9996
CMYK	0.00, 0.27, 1.00, 0.24
HSL	44°, 100%, 38%
HSV	44°, 100%, 76%
XYZ	31.9209, 30.8153, 4.2682
YIQ	141.3600, 76.5740, -33.1380

Conversions

Conversions Part 2

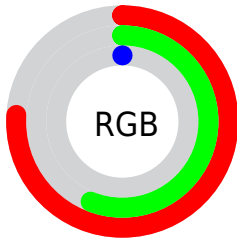
Format	Color
RYB	71, 194, 0
Decimal	12750336
CIELab	62.35, 9.83, 67.15
CIELCh	62, 67.864, 81.674
Yxy	30.8153, 0.4764, 0.4599
Android (android.graphics.Color)	4290940416 (0xFFC28E00)
YUV	141.3600, -69.6905, 46.1653
Hunter-Lab	55.5115, 5.4979, 34.2994

Details

The Yxy color **30.8153, 0.4764, 0.4599** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **6.3598, 0.1590, 0.0921**, and the grayscale version is **27.0472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7581, 0.4511, 0.4426**, and **12.8052, 0.4871, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **30.8084, 0.4764, 0.4599**, and if you desaturate by 10%, it is **32.4497, 0.4660, 0.4606**.

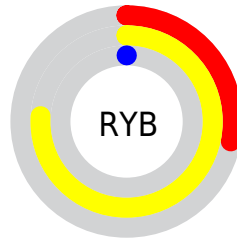
Distribution



Red (76%)

Green (56%)

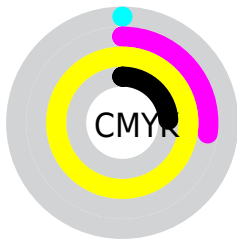
Blue (0%)



Red (28%)

Yellow (76%)

Blue (0%)

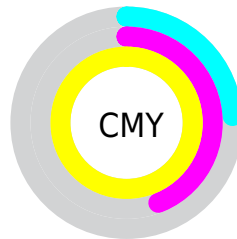


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8153, 0.4764, 0.4599 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 30.8153, 0.4764, 0.4599 by changing the saturation by 10% instead.


 30.8153, 0.4764,
0.4599


 30.8153, 0.4764,
0.4599


305.6865, 0.3984,
0.4026

 20.4582, 0.4911,
0.4683


 60.9492, 0.4509,
0.4429

 12.7286, 0.5081,
0.4765


 81.4948, 0.4403,
0.4352


 7.2419, 0.5218,
0.4782


 106.2053, 0.4310,
0.4282

 3.6138, 0.5306,
0.4694

 135.4653, 0.4228,
0.4219

 1.4600, 0.5452,
0.4548

 169.6589, 0.4156,
0.4163

 0.2603, 0.6518,
0.3482


 209.1708, 0.4092,


 0.0000, 0.0000,


0.4112


0.0000


 254.3852, 0.4035,
0.4067


 30.8153, 0.4764,
0.4599

 30.8153, 0.4764,
0.4599

 30.8084, 0.4764,
0.4599

 32.4497, 0.4660,
0.4606

 34.2043, 0.4531,
0.4571

 36.0987, 0.4374,
0.4488

 38.1426, 0.4196,
0.4364

 40.3445, 0.4008,
0.4209

■ 42.7117, 0.3816,
0.4033

■ 45.2511, 0.3627,
0.3845

■ 47.9688, 0.3448,
0.3655

■ 50.8707, 0.3280,
0.3468

Harmonies

Analogous

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



30.8153, 0.5211, 0.3855



30.8153, 0.4764, 0.4599



30.8153, 0.3930, 0.5211

Triad

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



30.8153, 0.4764, 0.4599



30.8153, 0.1537, 0.3007



30.8153, 0.2990, 0.2028

Complementary

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



30.8153, 0.4764, 0.4599



6.3598, 0.1590, 0.0921

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.



30.8153, 0.2098, 0.1781



30.8153, 0.4764, 0.4599



30.8153, 0.1390, 0.2180

Square

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



30.8153, 0.4764, 0.4599



30.8153, 0.2074, 0.4243



30.8153, 0.1575, 0.1811



30.8153, 0.4113, 0.2511

Rectangle

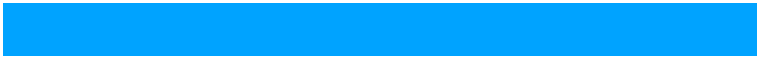
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.8153, 0.4764, 0.4599



30.8153, 0.3282, 0.5309



30.8153, 0.1575, 0.1811



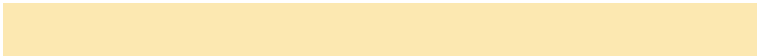
30.8153, 0.2654, 0.1917

Sweetspot

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



30.8168, 0.4764, 0.4599



81.7361, 0.3637, 0.3855



11.7472, 0.5827, 0.2984



17.4591, 0.3718, 0.3937



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.



30.8168, 0.4764, 0.4599



55.3767, 0.4775, 0.4590



45.2560, 0.3814, 0.5354



11.2866, 0.3271, 0.3458



20.3975, 0.4755, 0.4606



0.9899, 0.4603, 0.4727

Inverse Universe

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



6.3598, 0.1590, 0.0921



11.1538, 0.1582, 0.0896



4.3917, 0.1611, 0.0661



10.1776, 0.2984, 0.3117



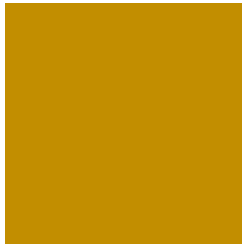
4.2942, 0.1595, 0.0942



0.3036, 0.1723, 0.1402

Previews

White Background



This preview shows how the Yxy color 30.8153, 0.4764, 0.4599 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 30.8153, 0.4764, 0.4599 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 30.8153, 0.4764, 0.4599

Background



This preview shows how black text looks on a background with the Yxy color 30.8153, 0.4764, 0.4599.

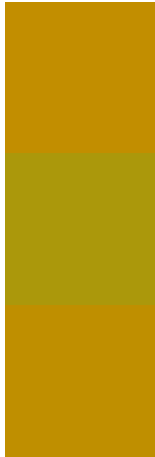


This preview shows how white text looks on a background with the Yxy color 30.8153, 0.4764, 0.4599.

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

30.8153, 0.4764, 0.4599

Protanopia

31.1386, 0.4383, 0.4860

Deuteranopia

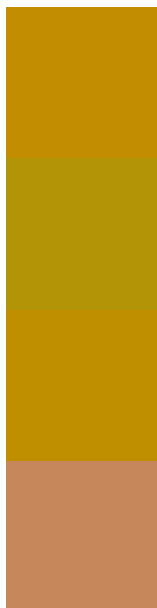
30.7213, 0.4722, 0.4633



Tritanopia

30.8730, 0.3810, 0.3161

Trichromacy



Original Color

30.8153, 0.4764, 0.4599

Protanomaly

30.7789, 0.4523, 0.4765

Deuteranomaly

30.8514, 0.4731, 0.4625

Tritanomaly

30.3523, 0.4349, 0.3890

Monochromacy



Original Color

30.8153, 0.4764, 0.4599

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2615, 0.3878, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8153, 0.4764, 0.4599 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(194, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 142, 0)  
}
```

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(194, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.8153, 0.4764, 0.4599 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(194, 142, 0) }
```

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

```
.border{ border-color:rgb(194, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8153, 0.4764, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 142, 0) }
```

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

```
.background{ background-color: rgb(194,  
142, 0) }
```

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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