

Converting Colors

$Y_{xy}(24.9527, 0.5195, 0.4080)$

Have a look what the booklet for
Yxy(24.9527, 0.5195, 0.4080)
contains.

Yxy(24.9527, 0.5195, 0.4080)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9527, 0.5195, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	CF701F
RGB	207, 112, 31
RGB Percent	81%, 44%, 12%
CMY	0.1883, 0.5607, 0.8787
CMYK	0.00, 0.46, 0.85, 0.19
HSL	28°, 74%, 47%
HSV	28°, 85%, 81%
XYZ	31.7719, 24.9527, 4.4340
YIQ	131.1710, 82.6210, -5.0510

Conversions

Conversions Part 2

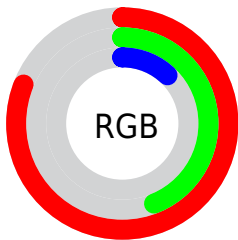
Format	Color
R_{YB}	207, 181, 31
Decimal	13594655
CIE _{Lab}	57.03, 32.23, 57.10
CIE _{LCh}	57, 65.570, 60.563
Yxy	24.9527, 0.5195, 0.4080
Android (android.graphics.Color)	4291784735 (0xFFCF701F)
YUV	131.1710, -49.3843, 66.5020
Hunter-Lab	49.9527, 26.1159, 29.7041

Details

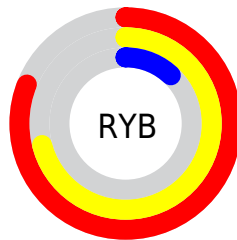
The Yxy color **24.9527, 0.5195, 0.4080** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.6978, 0.1913, 0.1954**, and the grayscale version is **22.9184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8104, 0.4693, 0.4069**, and **9.5562, 0.5596, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **22.5640, 0.5430, 0.4027**, and if you desaturate by 10%, it is **27.7197, 0.4922, 0.4079**.

Distribution



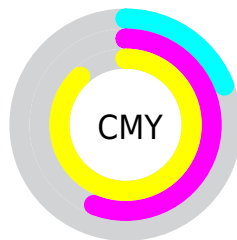
- Red (81%)
- Green (44%)
- Blue (12%)



- Red (81%)
- Yellow (71%)
- Blue (12%)



- Cyan (0%)
- Magenta (46%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (56%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9527, 0.5195, 0.4080 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 24.9527, 0.5195, 0.4080 by changing the saturation by 10% instead.

 24.9527, 0.5195,
0.4080


 24.9527, 0.5195,
0.4080


277.6023, 0.4121,
0.3790


 16.0418, 0.5437,
0.4087


 51.5805, 0.4815,
0.4017


 9.5537, 0.5736,
0.4063


 70.0662, 0.4667,
0.3979


 5.1041, 0.6058,
0.3942

 92.5122, 0.4541,
0.3942

 2.3085, 0.6368,
0.3632

 119.3031, 0.4433,
0.3907

 0.7782, 0.6896,
0.3104

 150.8231, 0.4339,
0.3874

 0.0000, 1.0000,
0.0000

 187.4568, 0.4257,

 0.0000, 0.0000,

0.3844

0.0000

229.5884, 0.4185,
0.3816

24.9527, 0.5195,
0.4080

24.9527, 0.5195,
0.4080

22.5640, 0.5430,
0.4027

27.7197, 0.4922,
0.4079

21.5062, 0.5535,
0.3987

30.8831, 0.4630,
0.4029

34.4640, 0.4338,
0.3943

38.4801, 0.4061,
0.3834

42.9480, 0.3807,
0.3713

■ 47.8830, 0.3580,
0.3588

■ 53.3000, 0.3380,
0.3465

■ 59.2127, 0.3206,
0.3347

■ 65.6344, 0.3055,
0.3236

Harmonies

Analogous

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



24.9527, 0.5211, 0.3342



24.9527, 0.5195, 0.4080



24.9527, 0.4576, 0.4844

Triad

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



24.9527, 0.5195, 0.4080



24.9527, 0.1830, 0.3880



24.9527, 0.2298, 0.1788

Complementary

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



24.9527, 0.5195, 0.4080



19.6978, 0.1913, 0.1954

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.



24.9527, 0.1653, 0.1728



24.9527, 0.5195, 0.4080



24.9527, 0.1409, 0.2682

Square

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



24.9527, 0.5195, 0.4080



24.9527, 0.2647, 0.5076



24.9527, 0.1366, 0.1988



24.9527, 0.3317, 0.2117

Rectangle

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



24.9527, 0.5195, 0.4080



24.9527, 0.3976, 0.5254



24.9527, 0.1366, 0.1988



24.9527, 0.2040, 0.1736

Sweetspot

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



24.9540, 0.5195, 0.4080



75.7042, 0.3607, 0.3604



15.7940, 0.4446, 0.2333



15.5990, 0.3685, 0.3648



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.



24.9540, 0.5195, 0.4080



34.0814, 0.5554, 0.3972



53.8388, 0.4228, 0.4926



12.6925, 0.3279, 0.3397



13.7357, 0.5512, 0.4005



0.9259, 0.5209, 0.4246

Inverse Universe

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



19.6978, 0.1913, 0.1954



25.2758, 0.1800, 0.1680



6.2956, 0.1603, 0.0802



12.4591, 0.2983, 0.3180



10.2865, 0.1812, 0.1723



0.7330, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 24.9527, 0.5195, 0.4080 looks on a white background.

Color Contrast Check

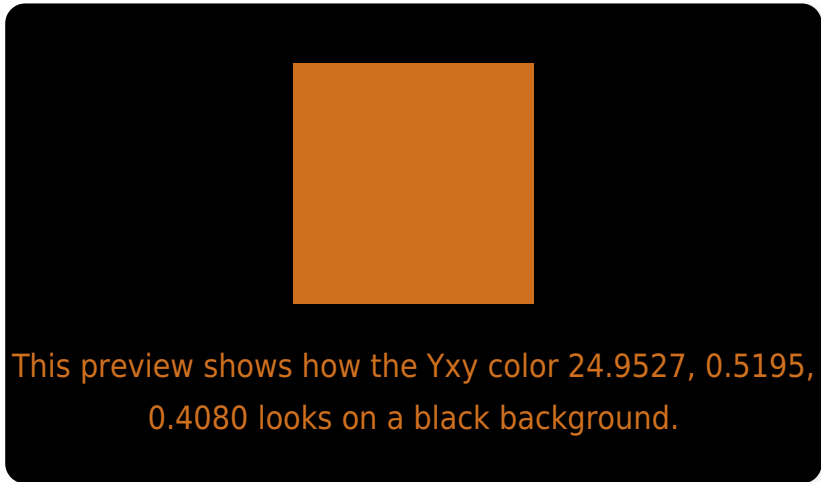
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 24.9527, 0.5195, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 24.9527, 0.5195, 0.4080.



This preview shows how white text looks on a background with the Yxy color 24.9527, 0.5195, 0.4080.

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

24.9527, 0.5195, 0.4080

Protanopia

25.1806, 0.4265, 0.4721

Deuteranopia

24.9000, 0.4661, 0.4579



Tritanopia

24.9746, 0.4438, 0.3208

Trichromacy



Original Color

24.9527, 0.5195, 0.4080

Protanomaly

24.7061, 0.4606, 0.4483

Deuteranomaly

24.5462, 0.4870, 0.4386

Tritanomaly

24.9050, 0.4789, 0.3591

Monochromacy



Original Color

24.9527, 0.5195, 0.4080

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6125, 0.3920, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9527, 0.5195, 0.4080 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(207, 112, 31)` looks like.

```
.text, #text, p{  
    color:rgb(207, 112, 31)  
}
```

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(207, 112, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 112, 31) }
```

Border

The CSS property to change the border of an element to Yxy 24.9527, 0.5195, 0.4080 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(207, 112, 31) }
```

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

```
.border{ border-color:rgb(207, 112, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 112, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 112, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 112, 31);  
box-shadow:4px 4px 4px 4px rgb(207, 112,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9527, 0.5195, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 112, 31) }
```

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

```
.background{ background-color: rgb(207,  
112, 31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor