

Converting Colors

$Y_{xy}(22.7115, 0.5243, 0.4088)$

Have a look what the booklet for
Yxy(22.7115, 0.5243, 0.4088)
contains.

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Color

Yxy(22.6534, 0.5251, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	C86A18
RGB	200, 106, 24
RGB Percent	78%, 42%, 9%
CMY	0.2156, 0.5843, 0.9058
CMYK	0.00, 0.47, 0.88, 0.22
HSL	28°, 79%, 44%
HSV	28°, 88%, 78%
XYZ	29.1409, 22.6534, 3.7016
YIQ	124.7580, 82.3460, -5.5740

Conversions

Conversions Part 2

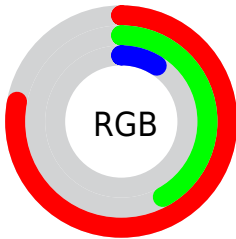
Format	Color
R_{YB}	200, 178, 24
Decimal	13134360
CIE _{Lab}	54.71, 32.35, 57.13
CIE _{LCh}	55, 65.654, 60.478
Yxy	22.6534, 0.5251, 0.4082
Android (android.graphics.Color)	4291324440 (0xFFC86A18)
YUV	124.7580, -49.6737, 65.9872
Hunter-Lab	47.5956, 25.9961, 28.7058

Details

The Yxy color **22.6534, 0.5251, 0.4082** 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 **17.3292, 0.1885, 0.1890**, and the grayscale version is **20.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2638, 0.4796, 0.4046**, and **8.4152, 0.5630, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **20.5308, 0.5473, 0.4018**, and if you desaturate by 10%, it is **25.1116, 0.4990, 0.4094**.

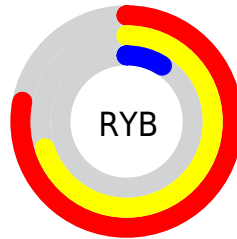
Distribution



Red (78%)

Green (42%)

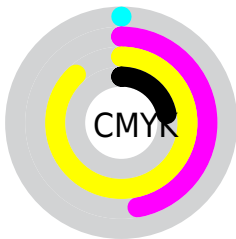
Blue (9%)



Red (78%)

Yellow (70%)

Blue (9%)

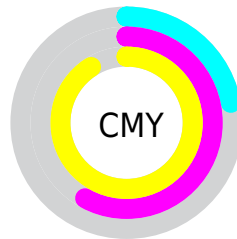


Cyan (0%)

Magenta (47%)

Yellow (88%)

Black (22%)



Cyan (22%)

Magenta (58%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6534, 0.5251, 0.4082 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 22.6534, 0.5251, 0.4082 by changing the saturation by 10% instead.


 22.6534, 0.5251,
0.4082


 22.6534, 0.5251,
0.4082


265.9398, 0.4137,
0.3796


 14.3378, 0.5503,
0.4081

 47.8236, 0.4855,
0.4024


 8.3560, 0.5844,
0.4064


 65.4469, 0.4701,
0.3987


 4.3236, 0.6123,
0.3877

 86.9417, 0.4571,
0.3950

 1.8562, 0.6468,
0.3532

 112.6922, 0.4458,
0.3914

 0.5218, 0.7239,
0.2761

 143.0828, 0.4361,
0.3881

 0.0000, 1.0000,
0.0000

 178.4981, 0.4277,

 0.0000, 0.0000,

0.3850

0.0000

219.3222, 0.4203,
0.3822

22.6534, 0.5251,
0.4082

22.6534, 0.5251,
0.4082

20.5308, 0.5473,
0.4018

25.1116, 0.4990,
0.4094

20.1392, 0.5516,
0.4003

27.9250, 0.4704,
0.4056

31.1130, 0.4414,
0.3978

34.6921, 0.4134,
0.3873

38.6776, 0.3875,
0.3753

■ 43.0837, 0.3642,
0.3628

■ 47.9239, 0.3435,
0.3502

■ 53.2108, 0.3254,
0.3382

■ 58.9567, 0.3097,
0.3268

Harmonies

Analogous

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



22.6534, 0.5276, 0.3331



22.6534, 0.5251, 0.4082



22.6534, 0.4606, 0.4872

Triad

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



22.6534, 0.5251, 0.4082



22.6534, 0.1791, 0.3902



22.6534, 0.2270, 0.1750

Complementary

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



22.6534, 0.5251, 0.4082



17.3292, 0.1885, 0.1890

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.



22.6534, 0.1614, 0.1689



22.6534, 0.5251, 0.4082



22.6534, 0.1365, 0.2659

Square

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



22.6534, 0.5251, 0.4082



22.6534, 0.2626, 0.5150



22.6534, 0.1324, 0.1950



22.6534, 0.3317, 0.2085

Rectangle

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



22.6534, 0.5251, 0.4082



22.6534, 0.3989, 0.5308



22.6534, 0.1324, 0.1950



22.6534, 0.2007, 0.1698

Sweetspot

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



22.6546, 0.5251, 0.4082



75.8891, 0.3607, 0.3607



14.3108, 0.4505, 0.2337



15.6426, 0.3684, 0.3652



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.



22.6546, 0.5251, 0.4082



34.4020, 0.5538, 0.3985



49.7010, 0.4242, 0.4942



11.4377, 0.3278, 0.3398



12.9794, 0.5493, 0.4021



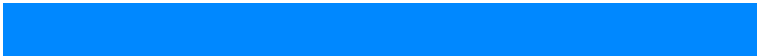
0.7592, 0.5153, 0.4290

Inverse Universe

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



17.3292, 0.1885, 0.1890



24.8896, 0.1795, 0.1662



5.4427, 0.1578, 0.0757



11.2100, 0.2983, 0.3180



9.4969, 0.1808, 0.1708



0.5937, 0.1908, 0.2067

Previews

White Background



This preview shows how the Yxy color 22.6534, 0.5251, 0.4082 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 22.6534, 0.5251, 0.4082 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 22.6534, 0.5251, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 22.6534, 0.5251, 0.4082.



This preview shows how white text looks on a background with the Yxy color 22.6534, 0.5251, 0.4082.

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

22.6534, 0.5251, 0.4082

Protanopia

22.8974, 0.4294, 0.4747

Deuteranopia

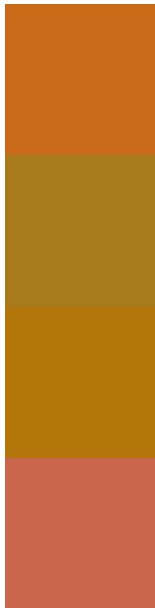
22.7808, 0.4698, 0.4637



Tritanopia

22.6608, 0.4483, 0.3206

Trichromacy



Original Color

22.6534, 0.5251, 0.4082

Protanomaly

22.4652, 0.4655, 0.4502

Deuteranomaly

22.4460, 0.4913, 0.4429

Tritanomaly

22.5811, 0.4859, 0.3608

Monochromacy



Original Color

22.6534, 0.5251, 0.4082

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3368, 0.3956, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6534, 0.5251, 0.4082 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(200, 106, 24)` looks like.

```
.text, #text, p{  
    color:rgb(200, 106, 24)  
}
```

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(200, 106, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 106, 24) }
```

Border

The CSS property to change the border of an element to Yxy 22.6534, 0.5251, 0.4082 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(200, 106, 24) }
```

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

```
.border{ border-color:rgb(200, 106, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 106, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 106, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 106, 24);  
box-shadow:4px 4px 4px 4px rgb(200, 106,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6534, 0.5251, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 106, 24) }
```

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

```
.background{ background-color: rgb(200,  
106, 24) }
```

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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