

Converting Colors

$Y_{xy}(22.5392, 0.5288, 0.4103)$

Have a look what the booklet for
Yxy(22.5392, 0.5288, 0.4103)
contains.

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Color

Yxy(22.6279, 0.5280, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	C86A11
RGB	200, 106, 17
RGB Percent	78%, 42%, 7%
CMY	0.2157, 0.5843, 0.9334
CMYK	0.00, 0.47, 0.92, 0.22
HSL	29°, 84%, 43%
HSV	29°, 92%, 78%
XYZ	29.0765, 22.6279, 3.3647
YIQ	123.9600, 84.5930, -7.7510

Conversions

Conversions Part 2

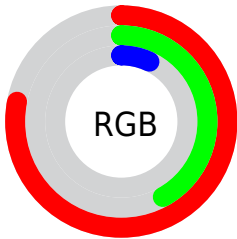
Format	Color
R _Y B	200, 190, 17
Decimal	13134353
CIE Lab	54.69, 32.22, 59.11
CIE LCh	55, 67.322, 61.409
Yxy	22.6279, 0.5280, 0.4109
Android (android.graphics.Color)	4291324433 (0xFFC86A11)
YUV	123.9600, -52.7313, 66.6871
Hunter-Lab	47.5688, 25.8630, 29.1043

Details

The Yxy color **22.6279, 0.5280, 0.4109** 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 **15.6577, 0.1840, 0.1763**, and the grayscale version is **20.3001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1948, 0.4829, 0.4081**, and **8.4152, 0.5630, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **20.8808, 0.5455, 0.4051**, and if you desaturate by 10%, it is **24.9680, 0.5041, 0.4136**.

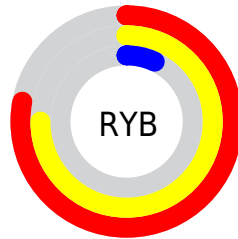
Distribution



Red (78%)

Green (42%)

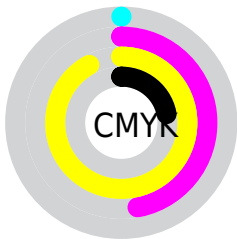
Blue (7%)



Red (78%)

Yellow (75%)

Blue (7%)

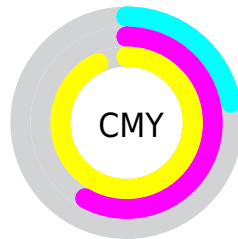


Cyan (0%)

Magenta (47%)

Yellow (92%)

Black (22%)



Cyan (22%)

Magenta (58%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6279, 0.5280, 0.4109 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 22.6279, 0.5280, 0.4109 by changing the saturation by 10% instead.


 22.6279, 0.5280,
0.4109


 22.6279, 0.5280,
0.4109


265.8080, 0.4159,
0.3818


 14.3190, 0.5528,
0.4105


 47.7816, 0.4885,
0.4053


 8.3429, 0.5881,
0.4095


 65.3952, 0.4731,
0.4015

 4.3151, 0.6119,
0.3881

 86.8792, 0.4599,
0.3977

 1.8513, 0.6464,
0.3536

 112.6179, 0.4485,
0.3940

 0.5189, 0.7238,
0.2762

 142.9957, 0.4387,
0.3906


 0.0000, 1.0000,
0.0000

 178.3971, 0.4301,

 0.0000, 0.0000,


0.3874


0.0000

 219.2064, 0.4226,
0.3845

 22.6279, 0.5280,
0.4109


 22.6279, 0.5280,
0.4109


 20.8808, 0.5455,
0.4051

 24.9680, 0.5041,
0.4136

 27.6379, 0.4773,
0.4110

 30.6566, 0.4492,
0.4040

 34.0402, 0.4215,
0.3939

 37.8032, 0.3954,
0.3818

■ 41.9594, 0.3716,
0.3688

■ 46.5214, 0.3503,
0.3557

■ 51.5014, 0.3314,
0.3429

■ 56.9110, 0.3150,
0.3308

Harmonies

Analogous

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



22.6279, 0.5339, 0.3345



22.6279, 0.5280, 0.4109



22.6279, 0.4600, 0.4919

Triad

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



22.6279, 0.5280, 0.4109



22.6279, 0.1740, 0.3871



22.6279, 0.2278, 0.1728

Complementary

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



22.6279, 0.5280, 0.4109



15.6577, 0.1840, 0.1763

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.



22.6279, 0.1600, 0.1656



22.6279, 0.5280, 0.4109



22.6279, 0.1325, 0.2609

Square

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



22.6279, 0.5280, 0.4109



22.6279, 0.2577, 0.5178



22.6279, 0.1296, 0.1906



22.6279, 0.3358, 0.2075

Rectangle

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



22.6279, 0.5280, 0.4109



22.6279, 0.3964, 0.5367



22.6279, 0.1296, 0.1906



22.6279, 0.2006, 0.1672

Sweetspot

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



22.6291, 0.5280, 0.4109



75.8067, 0.3625, 0.3634



13.8410, 0.4706, 0.2419



15.6541, 0.3701, 0.3680



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.



22.6291, 0.5280, 0.4109



35.6801, 0.5477, 0.4033



52.2349, 0.4202, 0.5003



11.4742, 0.3278, 0.3403



13.4535, 0.5433, 0.4068



0.7819, 0.5108, 0.4326

Inverse Universe

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



15.6577, 0.1840, 0.1763



23.4474, 0.1775, 0.1591



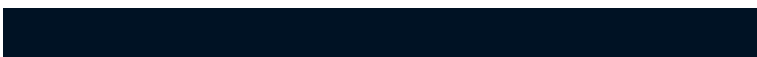
4.7913, 0.1543, 0.0678



11.1733, 0.2983, 0.3175



8.9654, 0.1789, 0.1639



0.5692, 0.1892, 0.2010

Previews

White Background



This preview shows how the Yxy color 22.6279, 0.5280, 0.4109 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 22.6279, 0.5280, 0.4109 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 22.6279, 0.5280, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 22.6279, 0.5280, 0.4109.



This preview shows how white text looks on a background with the Yxy color 22.6279, 0.5280, 0.4109.

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

22.6279, 0.5280, 0.4109

Protanopia

22.8686, 0.4322, 0.4789

Deuteranopia

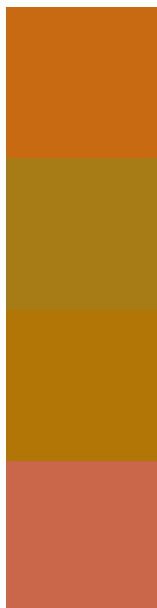
22.7742, 0.4705, 0.4646



Tritanopia

22.6608, 0.4483, 0.3206

Trichromacy



Original Color

22.6279, 0.5280, 0.4109

Protanomaly

22.4393, 0.4682, 0.4536

Deuteranomaly

22.4350, 0.4925, 0.4443

Tritanomaly

22.5537, 0.4884, 0.3630

Monochromacy



Original Color

22.6279, 0.5280, 0.4109

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0539, 0.4001, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6279, 0.5280, 0.4109 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(200, 106, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 106, 17) }
```

Border

The CSS property to change the border of an element to Yxy 22.6279, 0.5280, 0.4109 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, 17) }
```

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

```
.border{ border-color:rgb(200, 106, 17) }
```

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, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 106, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 106, 17);  
box-shadow:4px 4px 4px 4px rgb(200, 106,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6279, 0.5280, 0.4109 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, 17) }
```

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

```
.background{ background-color: rgb(200,  
106, 17) }
```

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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