

Converting Colors

$Y_{xy}(22.5228, 0.5228, 0.4074)$

Have a look what the booklet for
Yxy(22.5228, 0.5228, 0.4074)
contains.

Yxy(22.5293, 0.5227, 0.4074)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5293, 0.5227, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	C76A1B
RGB	199, 106, 27
RGB Percent	78%, 42%, 11%
CMY	0.2196, 0.5843, 0.8939
CMYK	0.00, 0.47, 0.86, 0.22
HSL	28°, 76%, 44%
HSV	28°, 86%, 78%
XYZ	28.9054, 22.5293, 3.8655
YIQ	124.8010, 80.7870, -4.8530

Conversions

Conversions Part 2

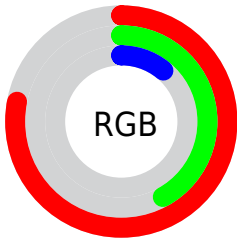
Format	Color
R_{YB}	199, 173, 27
Decimal	13068827
CIE _{Lab}	54.58, 32.00, 55.96
CIE _{LCh}	55, 64.467, 60.241
Yxy	22.5293, 0.5227, 0.4074
Android (android.graphics.Color)	4291258907 (0xFFC76A1B)
YUV	124.8010, -48.2159, 65.0725
Hunter-Lab	47.4650, 25.6397, 28.3970

Details

The Yxy color **22.5293, 0.5227, 0.4074** 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 **17.8030, 0.1904, 0.1939**, and the grayscale version is **20.5856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2929, 0.4782, 0.4031**, and **8.4152, 0.5630, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **20.3858, 0.5457, 0.4015**, and if you desaturate by 10%, it is **25.0155, 0.4957, 0.4079**.

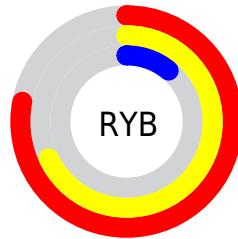
Distribution



Red (78%)

Green (42%)

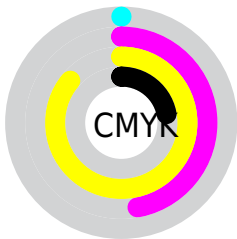
Blue (11%)



Red (78%)

Yellow (68%)

Blue (11%)

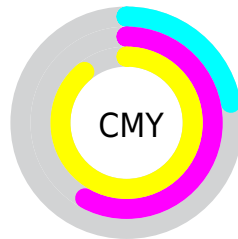


Cyan (0%)

Magenta (47%)

Yellow (86%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5293, 0.5227, 0.4074 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 22.5293, 0.5227, 0.4074 by changing the saturation by 10% instead.


 22.5293, 0.5227,
0.4074


 22.5293, 0.5227,
0.4074


265.2981, 0.4121,
0.3786


 14.2463, 0.5480,
0.4076


 47.6193, 0.4832,
0.4014


 8.2922, 0.5817,
0.4058


 65.1951, 0.4679,
0.3976

 4.2825, 0.6114,
0.3886

 86.6373, 0.4549,
0.3939

 1.8328, 0.6459,
0.3541

 112.3303, 0.4438,
0.3903

 0.5075, 0.7250,
0.2750

 142.6584, 0.4342,
0.3870


 0.0000, 1.0000,
0.0000


 178.0062, 0.4259,


 0.0000, 0.0000,


0.3840


0.0000

 218.7580, 0.4185,
0.3811

 22.5293, 0.5227,
0.4074

 22.5293, 0.5227,
0.4074


 20.3858, 0.5457,
0.4015


 25.0155, 0.4957,
0.4079


 19.6875, 0.5535,
0.3988

 27.8618, 0.4666,
0.4035


 31.0876, 0.4374,
0.3953


 34.7092, 0.4095,
0.3847

 38.7419, 0.3838,
0.3727

 43.1999, 0.3608,
0.3603

 48.0967, 0.3405,
0.3480

 53.4450, 0.3228,
0.3362

 59.2569, 0.3074,
0.3251

Harmonies

Analogous

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



22.5293, 0.5241, 0.3330



22.5293, 0.5227, 0.4074



22.5293, 0.4599, 0.4852

Triad

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



22.5293, 0.5227, 0.4074



22.5293, 0.1816, 0.3904



22.5293, 0.2276, 0.1767

Complementary

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



22.5293, 0.5227, 0.4074



17.8030, 0.1904, 0.1939

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.



22.5293, 0.1629, 0.1709



22.5293, 0.5227, 0.4074



22.5293, 0.1389, 0.2680

Square

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



22.5293, 0.5227, 0.4074



22.5293, 0.2645, 0.5122



22.5293, 0.1344, 0.1973



22.5293, 0.3306, 0.2096

Rectangle

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



22.5293, 0.5227, 0.4074



22.5293, 0.3992, 0.5277



22.5293, 0.1344, 0.1973



22.5293, 0.2016, 0.1716

Sweetspot

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



22.5305, 0.5227, 0.4074



75.6580, 0.3608, 0.3603



14.3244, 0.4471, 0.2334



15.5881, 0.3685, 0.3647



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.



22.5305, 0.5227, 0.4074



34.0019, 0.5558, 0.3969



49.2224, 0.4234, 0.4933



11.4259, 0.3278, 0.3396



12.8307, 0.5512, 0.4005



0.7520, 0.5168, 0.4279

Inverse Universe

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



17.8030, 0.1904, 0.1939



25.3732, 0.1802, 0.1685



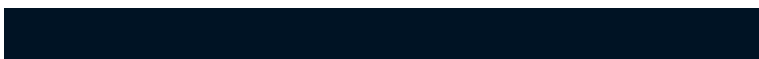
5.5984, 0.1592, 0.0783



11.2219, 0.2983, 0.3181



9.6749, 0.1814, 0.1731



0.6018, 0.1913, 0.2085

Previews

White Background



This preview shows how the Yxy color 22.5293, 0.5227, 0.4074 looks on a white background.

Color Contrast Check

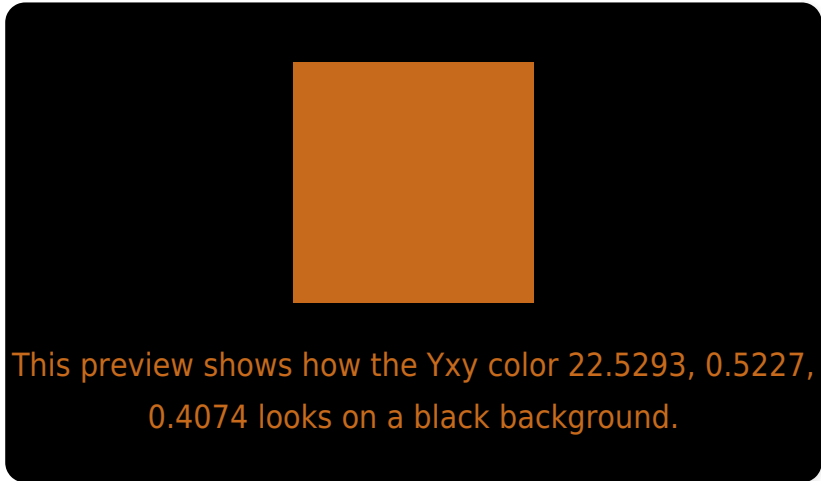
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5293, 0.5227, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 22.5293, 0.5227, 0.4074.



This preview shows how white text looks on a background with the Yxy color 22.5293, 0.5227, 0.4074.

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

22.5293, 0.5227, 0.4074

Protanopia

22.5511, 0.4278, 0.4720

Deuteranopia

22.5540, 0.4685, 0.4591



Tritanopia

22.5208, 0.4472, 0.3205

Trichromacy



Original Color

22.5293, 0.5227, 0.4074

Protanomaly

22.1250, 0.4641, 0.4477

Deuteranomaly

22.2346, 0.4902, 0.4388

Tritanomaly

22.4561, 0.4836, 0.3599

Monochromacy



Original Color

22.5293, 0.5227, 0.4074

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3535, 0.3943, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5293, 0.5227, 0.4074 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, 106, 27)` looks like.

```
.text, #text, p{  
    color:rgb(199, 106, 27)  
}
```

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, 106, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 106, 27) }
```

Border

The CSS property to change the border of an element to Yxy 22.5293, 0.5227, 0.4074 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, 106, 27) }
```

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

```
.border{ border-color:rgb(199, 106, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 106, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 106, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 106, 27);  
box-shadow:4px 4px 4px 4px rgb(199, 106,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5293, 0.5227, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 106, 27) }
```

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

```
.background{ background-color: rgb(199,  
106, 27) }
```

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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