

Converting Colors

$Y_{xy}(23.1993, 0.5188, 0.4021)$

Have a look what the booklet for
Yxy(23.1993, 0.5188, 0.4021)
contains.

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Color

$Y_{xy}(23.1993, 0.5188, 0.4021)$

Conversions

Conversions Part 1

Format	Color
Hex	CA6B24
RGB	202, 107, 36
RGB Percent	79%, 42%, 14%
CMY	0.2078, 0.5804, 0.8591
CMYK	0.00, 0.47, 0.82, 0.21
HSL	26°, 70%, 47%
HSV	26°, 82%, 79%
XYZ	29.9323, 23.1993, 4.5637
YIQ	127.3110, 79.4110, -1.9410

Conversions

Conversions Part 2

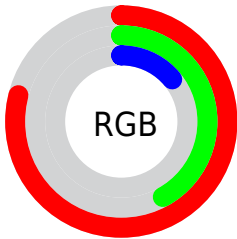
Format	Color
R _Y B	202, 160, 36
Decimal	13265700
CIE Lab	55.28, 32.95, 53.42
CIE LCh	55, 62.762, 58.334
Yxy	23.1993, 0.5188, 0.4021
Android (android.graphics.Color)	4291455780 (0xFFCA6B24)
YUV	127.3110, -45.0163, 65.5023
Hunter-Lab	48.1657, 26.6382, 28.0982

Details

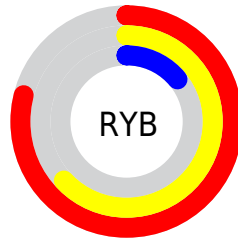
The Yxy color **23.1993, 0.5188, 0.4021** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.8498, 0.1965, 0.2101**, and the grayscale version is **21.4721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0897, 0.4714, 0.3997**, and **8.5890, 0.5648, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **20.8595, 0.5450, 0.3978**, and if you desaturate by 10%, it is **25.9331, 0.4891, 0.4011**.

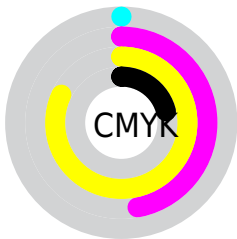
Distribution



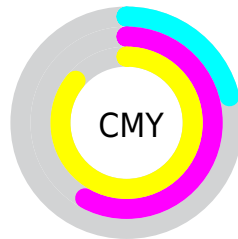
- Red (79%)
- Green (42%)
- Blue (14%)



- Red (79%)
- Yellow (63%)
- Blue (14%)



- Cyan (0%)
- Magenta (47%)
- Yellow (82%)
- Black (21%)





- Cyan (21%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1993, 0.5188, 0.4021 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 23.1993, 0.5188, 0.4021 by changing the saturation by 10% instead.


 23.1993, 0.5188,
0.4021


 23.1993, 0.5188,
0.4021

268.7470, 0.4096,
0.3751


 14.7407, 0.5444,
0.4026


 48.7204, 0.4794,
0.3963


 8.6376, 0.5764,
0.3997


 66.5517, 0.4643,
0.3927


 4.5056, 0.6128,
0.3872

 88.2760, 0.4515,
0.3892

 1.9602, 0.6468,
0.3532

 114.2778, 0.4406,
0.3859

 0.5842, 0.7160,
0.2840

 144.9413, 0.4312,
0.3829

 0.0000, 1.0000,
0.0000

 180.6512, 0.4231,

 0.0000, 0.0000,

0.3800

0.0000

221.7916, 0.4159,
0.3774

■ 23.1993, 0.5188,
0.4021

■ 23.1993, 0.5188,
0.4021

■ 20.8595, 0.5450,
0.3978

■ 25.9331, 0.4891,
0.4011

■ 19.2850, 0.5627,
0.3914

■ 29.0793, 0.4582,
0.3957

■ 32.6592, 0.4281,
0.3871

■ 36.6910, 0.4000,
0.3765

■ 41.1917, 0.3747,
0.3651

■ 46.1773, 0.3524,
0.3534

■ 51.6630, 0.3329,
0.3421

■ 57.6632, 0.3161,
0.3313

■ 64.1917, 0.3016,
0.3212

Harmonies

Analogous

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



23.1993, 0.5144, 0.3296



23.1993, 0.5188, 0.4021



23.1993, 0.4618, 0.4773

Triad

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



23.1993, 0.5188, 0.4021



23.1993, 0.1901, 0.3968



23.1993, 0.2252, 0.1795

Complementary

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



23.1993, 0.5188, 0.4021



20.8498, 0.1965, 0.2101

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.



23.1993, 0.1642, 0.1759



23.1993, 0.5188, 0.4021



23.1993, 0.1452, 0.2768

Square

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



23.1993, 0.5188, 0.4021



23.1993, 0.2730, 0.5095



23.1993, 0.1383, 0.2044



23.1993, 0.3231, 0.2102

Rectangle

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



23.1993, 0.5188, 0.4021



23.1993, 0.4040, 0.5188



23.1993, 0.1383, 0.2044



23.1993, 0.2007, 0.1751

Sweetspot

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



23.2005, 0.5188, 0.4021



75.4533, 0.3591, 0.3570



15.5021, 0.4277, 0.2270



15.5061, 0.3670, 0.3612



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.



23.2005, 0.5188, 0.4021



32.5470, 0.5628, 0.3906



48.7183, 0.4259, 0.4861



11.9900, 0.3280, 0.3390



12.5790, 0.5604, 0.3933



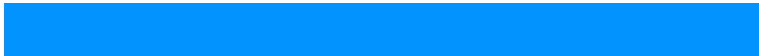
0.7985, 0.5262, 0.4204

Inverse Universe

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



20.8498, 0.1965, 0.2101



28.0888, 0.1838, 0.1811



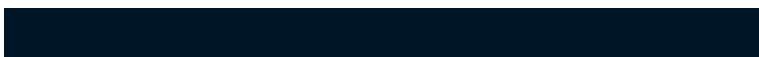
6.8997, 0.1648, 0.0908



11.8914, 0.2983, 0.3188



10.8941, 0.1844, 0.1837



0.7108, 0.1930, 0.2149

Previews

White Background



This preview shows how the Yxy color 23.1993, 0.5188, 0.4021 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 23.1993, 0.5188, 0.4021 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 23.1993, 0.5188, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 23.1993, 0.5188, 0.4021.



This preview shows how white text looks on a background with the Yxy color 23.1993, 0.5188, 0.4021.

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

23.1993, 0.5188, 0.4021

Protanopia

23.3390, 0.4224, 0.4647

Deuteranopia

23.2210, 0.4614, 0.4539



Tritanopia

23.1550, 0.4485, 0.3206

Trichromacy



Original Color

23.1993, 0.5188, 0.4021

Protanomaly

22.8933, 0.4582, 0.4419

Deuteranomaly

22.9959, 0.4839, 0.4335

Tritanomaly

23.1319, 0.4808, 0.3560

Monochromacy



Original Color

23.1993, 0.5188, 0.4021

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1111, 0.3893, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1993, 0.5188, 0.4021 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(202, 107, 36)` looks like.

```
.text, #text, p{  
    color:rgb(202, 107, 36)  
}
```

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(202, 107, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 107, 36) }
```

Border

The CSS property to change the border of an element to Yxy 23.1993, 0.5188, 0.4021 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(202, 107, 36) }
```

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

```
.border{ border-color:rgb(202, 107, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 107, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 107, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 107, 36);  
box-shadow:4px 4px 4px 4px rgb(202, 107,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1993, 0.5188, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 107, 36) }
```

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

```
.background{ background-color: rgb(202,  
107, 36) }
```

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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