

Converting Colors

XYZ(23.0204, 14.5417, 2.8671)

Have a look what the booklet for
XYZ(23.0204, 14.5417, 2.8671)
contains.

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Color

**XYZ(23.0670, 14.5845,
2.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	BD401F
RGB	189, 64, 31
RGB Percent	74%, 25%, 12%
CMY	0.2588, 0.7490, 0.8784
CMYK	0.00, 0.66, 0.84, 0.26
HSL	13°, 72%, 43%
HSV	13°, 84%, 74%
XYZ	23.0670, 14.5845, 2.8957
YIQ	97.6130, 85.0930, 16.2370

Conversions

Conversions Part 2

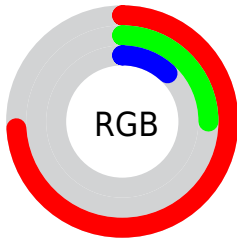
Format	Color
RYB	189, 73, 31
Decimal	12402719
CIELab	45.06, 48.69, 45.58
CIELCh	45, 66.694, 43.108
Yxy	14.5845, 0.5689, 0.3597
Android (android.graphics.Color)	4290592799 (0xFFBD401F)
YUV	97.6130, -32.8402, 80.1464
Hunter-Lab	38.1897, 40.9842, 22.2371

Details

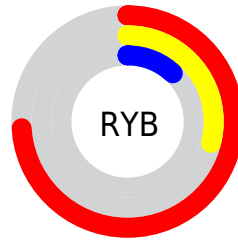
The XYZ color **23.0670, 14.5845, 2.8957** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.6378, 27.7403, 52.3578**, and the grayscale version is **11.5781, 12.1811, 13.2652**.

A 20% lighter version of the original color is **48.0346, 34.2168, 11.4699**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.1538, 13.0469, 1.7018**, and if you desaturate by 10%, it is **24.3528, 16.6343, 4.9337**.

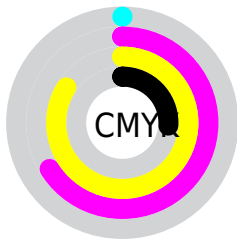
Distribution



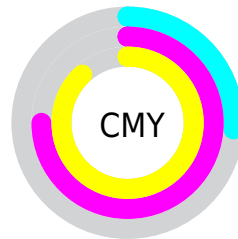
- Red (74%)
- Green (25%)
- Blue (12%)



- Red (74%)
- Yellow (29%)
- Blue (12%)



- Cyan (0%)
- Magenta (66%)
- Yellow (84%)
- Black (26%)





- Cyan (26%)
- Magenta (75%)
- Yellow (88%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0670, 14.5845, 2.8957 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 XYZ color 23.0670, 14.5845, 2.8957 by changing the saturation by 10% instead.


 23.0670, 14.5845,
2.8957


 23.0670, 14.5845,
2.8957


260.5978,
220.8373, 135.0209


 14.7640, 8.5283,
1.0416


 47.9692, 34.1226,
11.3700


 8.7391, 4.4348,
0.0000


 65.2990, 48.3733,
18.8272


 4.6272, 1.9196,
0.0000

 86.3685, 66.1243,
28.9893

 2.0627, 0.5601,
0.0000

 111.5429, 87.7599,
42.2748


 0.6688, 0.0000,
0.0000


 141.1877,
113.6647, 59.1021


 0.0000, 0.0000,
0.0000


 175.6683,


144.2229, 79.8899


 215.3498,
179.8190, 105.0567


 23.0670, 14.5845,
2.8957


 23.0670, 14.5845,
2.8957


 22.1538, 13.0469,
1.7018


 24.3528, 16.6343,
4.9337

 21.7276, 12.3017,
1.2293

 26.0490, 19.2356,
7.9379

 28.1893, 22.4265,
12.0109

 30.8035, 26.2408,
17.2418

 33.9188, 30.7099,
23.7104

■ 37.5601, 35.8629,
31.4894

■ 41.7507, 41.7272,
40.6458

■ 46.5125, 48.3285,
51.2421

■ 51.8661, 55.6914,
63.3368

Harmonies

Analogous

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



26.8675, 14.5845, 9.9717



23.0670, 14.5845, 2.8957



17.1553, 14.5845, 0.9699

Triad

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



23.0670, 14.5845, 2.8957



6.0259, 14.5845, 8.6256



16.3921, 14.5845, 67.1420

Complementary

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



23.0670, 14.5845, 2.8957



21.6378, 27.7403, 52.3578

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.



11.0199, 14.5845, 65.8023



23.0670, 14.5845, 2.8957



5.9231, 14.5845, 23.7552

Square

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



23.0670, 14.5845, 2.8957



7.8356, 14.5845, 2.4658



7.5040, 14.5845, 46.7229



22.3829, 14.5845, 49.6766

Rectangle

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



23.0670, 14.5845, 2.8957



13.2986, 14.5845, 0.7755



7.5040, 14.5845, 46.7229



14.4414, 14.5845, 69.1009

Sweetspot

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



23.0673, 14.5854, 2.8959



66.0231, 62.4741, 53.7068



27.5962, 14.2468, 33.3731



13.6949, 12.7240, 10.4708



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0673, 14.5854, 2.8959



38.7763, 21.7563, 2.1557



30.8471, 30.1449, 5.4892



9.6874, 9.8507, 9.9674



14.6648, 8.3685, 0.8424



0.6225, 0.4239, 0.0490

Inverse Universe

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



21.6378, 27.7403, 52.3578



35.6674, 45.0133, 93.0348



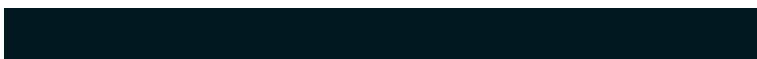
12.5034, 9.4714, 49.3130



9.6348, 10.4619, 12.1837



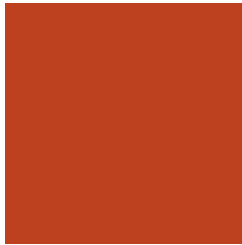
13.5230, 17.1577, 34.9919



0.5730, 0.7587, 1.3851

Previews

White Background



This preview shows how the XYZ color 23.0670, 14.5845, 2.8957 looks on a white 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

Black Background



This preview shows how the XYZ color 23.0670, 14.5845, 2.8957 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0670, 14.5845, 2.8957

Background



This preview shows how black text looks on a background with the XYZ color 23.0670, 14.5845, 2.8957.



This preview shows how white text looks on a background with the XYZ color 23.0670, 14.5845,

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

23.0670, 14.5845, 2.8957

Protanopia

13.5262, 14.8854, 4.3507

Deuteranopia

14.9909, 14.7715, 2.5130



Tritanopia

23.7765, 14.5490, 6.4056

Trichromacy



Original Color

23.0670, 14.5845, 2.8957

Protanomaly

15.8541, 13.8140, 3.6645

Deuteranomaly

17.1426, 14.0022, 2.5086

Tritanomaly

23.5238, 14.5326, 4.8140

Monochromacy



Original Color

23.0670, 14.5845, 2.8957

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.9239, 11.9753, 8.0562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0670, 14.5845, 2.8957 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(189, 64, 31)` looks like.

```
.text, #text, p{  
    color:rgb(189, 64, 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(189, 64, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 64, 31) }
```

Border

The CSS property to change the border of an element to XYZ 23.0670, 14.5845, 2.8957 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(189, 64, 31) }
```


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

```
.border{ border-color:rgb(189, 64, 31) }
```

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

Here you see how a box with a 4 pixel rgb(189, 64, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 64, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 64, 31);  
box-shadow:4px 4px 4px 4px rgb(189, 64,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0670, 14.5845, 2.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 64, 31) }
```

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

```
.background{ background-color: rgb(189, 64,  
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](#).

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