

Converting Colors

XYZ(23.2143, 15.2875, 2.8897)

Have a look what the booklet for
XYZ(23.2143, 15.2875, 2.8897)
contains.

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Color

**XYZ(23.2140, 15.2866,
2.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	BC471D
RGB	188, 71, 29
RGB Percent	74%, 28%, 11%
CMY	0.2627, 0.7215, 0.8863
CMYK	0.00, 0.62, 0.85, 0.26
HSL	16°, 73%, 43%
HSV	16°, 85%, 74%
XYZ	23.2140, 15.2866, 2.8895
YIQ	101.1950, 83.2140, 11.7420

Conversions

Conversions Part 2

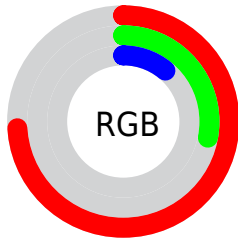
Format	Color
R_{YB}	188, 86, 29
Decimal	12338973
CIE _{Lab}	46.02, 45.20, 47.28
CIE _{LCh}	46, 65.408, 46.293
Yxy	15.2866, 0.5609, 0.3693
Android (android.graphics.Color)	4290529053 (0xFFBC471D)
YUV	101.1950, -35.5921, 76.1280
Hunter-Lab	39.0981, 37.5605, 22.9869

Details

The XYZ color **23.2140, 15.2866, 2.8895** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.8614, 24.4474, 51.2484**, and the grayscale version is **12.4949, 13.1457, 14.3156**.

A 20% lighter version of the original color is **48.3309, 35.4604, 11.3184**, and **8.8839, 4.7750, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **22.2665, 13.6572, 1.7555**, and if you desaturate by 10%, it is **24.5042, 17.3750, 4.8371**.

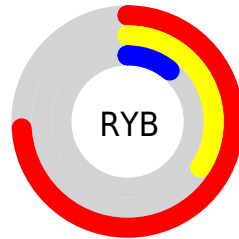
Distribution



Red (74%)

Green (28%)

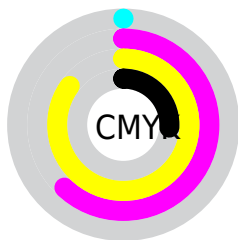
Blue (11%)



Red (74%)

Yellow (34%)

Blue (11%)

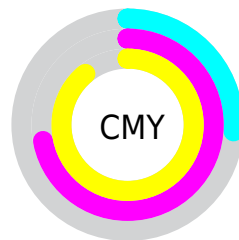


Cyan (0%)

Magenta (62%)

Yellow (85%)

Black (26%)



Cyan (26%)


Magenta (72%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2140, 15.2866, 2.8895 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 23.2140, 15.2866, 2.8895 by changing the saturation by 10% instead.


 23.2140, 15.2866,
2.8895


 23.2140, 15.2866,
2.8895


261.3371,
225.0944, 134.9406


 14.8732, 9.0208,
1.0385


 48.2086, 35.3552,
11.3545


 8.8162, 4.7547,
0.0000


 65.5930, 49.9267,
18.8056


 4.6776, 2.1041,
0.0000

 86.7227, 68.0356,
28.9605

 2.0922, 0.6669,
0.0000

 111.9629, 90.0663,
42.2377

 0.6850, 0.0000,
0.0000

 141.6791,
116.4031, 59.0558

 0.0000, 0.0000,
0.0000

 176.2367,

147.4305, 79.8333

216.0009,
183.5328, 104.9887

23.2140, 15.2866,
2.8895

23.2140, 15.2866,
2.8895

22.2665, 13.6572,
1.7555

24.5042, 17.3750,
4.8371

21.8653, 12.9442,
1.3461

26.1710, 19.9538,
7.7198

28.2448, 23.0541,
11.6394

30.7521, 26.7037,
16.6838

33.7174, 30.9282,
22.9319

■ 37.1630, 35.7515,
30.4549

■ 41.1096, 41.1964,
39.3189

■ 45.5770, 47.2840,
49.5852

■ 50.5835, 54.0348,
61.3112

Harmonies

Analogous

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



27.3573, 15.2866, 9.4622



23.2140, 15.2866, 2.8895



17.2057, 15.2866, 1.1120

Triad

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



23.2140, 15.2866, 2.8895



6.4364, 15.2866, 10.4058



17.7314, 15.2866, 66.5379

Complementary

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



23.2140, 15.2866, 2.8895



19.8614, 24.4474, 51.2484

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.



12.1462, 15.2866, 67.4407



23.2140, 15.2866, 2.8895



6.5091, 15.2866, 26.7675

Square

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



23.2140, 15.2866, 2.8895



8.1035, 15.2866, 3.2036



8.3363, 15.2866, 49.9232



23.6823, 15.2866, 47.9231

Rectangle

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



23.2140, 15.2866, 2.8895



13.3915, 15.2866, 1.0029



8.3363, 15.2866, 49.9232



15.7301, 15.2866, 69.1986

Sweetspot

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



23.2143, 15.2875, 2.8897



66.7971, 64.0220, 53.9648



26.5433, 13.7161, 29.3692



13.8763, 13.0869, 10.5313



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.



23.2143, 15.2875, 2.8897



39.4582, 23.1200, 2.3829



31.5897, 32.0382, 5.6815



9.7297, 9.9354, 9.9815



14.9400, 8.9189, 0.9341



0.6409, 0.4606, 0.0551

Inverse Universe

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



19.8614, 24.4474, 51.2484



32.7973, 39.2731, 92.0781



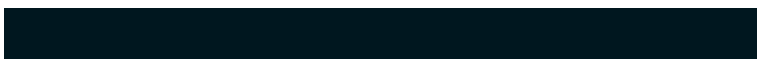
11.6966, 8.1177, 48.5268



9.5895, 10.3714, 12.1687



12.4637, 15.0392, 34.6388



0.5389, 0.6906, 1.3737

Previews

White Background



This preview shows how the XYZ color 23.2140, 15.2866, 2.8895 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 23.2140, 15.2866, 2.8895 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 23.2140, 15.2866, 2.8895

Background



This preview shows how black text looks on a background with the XYZ color 23.2140, 15.2866, 2.8895.



This preview shows how white text looks on a background with the XYZ color 23.2140, 15.2866,

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

23.2140, 15.2866, 2.8895

Protanopia

14.1105, 15.5093, 4.1693

Deuteranopia

15.6704, 15.4187, 2.5309



Tritanopia

24.1308, 15.2881, 7.6403

Trichromacy



Original Color

23.2140, 15.2866, 2.8895

Protanomaly

16.5189, 14.6901, 3.5549

Deuteranomaly

17.8493, 14.8694, 2.5454

Tritanomaly

23.7672, 15.2386, 5.4301

Monochromacy



Original Color

23.2140, 15.2866, 2.8895

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.5990, 12.8069, 8.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2140, 15.2866, 2.8895 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(188, 71, 29)` looks like.

```
.text, #text, p{  
    color:rgb(188, 71, 29)  
}
```

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(188, 71, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 71, 29) }
```

Border

The CSS property to change the border of an element to XYZ 23.2140, 15.2866, 2.8895 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(188, 71, 29) }
```


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

```
.border{ border-color:rgb(188, 71, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 71, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 71, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 71, 29);  
box-shadow:4px 4px 4px 4px rgb(188, 71,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2140, 15.2866, 2.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 71, 29) }
```

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

```
.background{ background-color: rgb(188, 71,  
29) }
```

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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