

Converting Colors

XYZ(23.2287, 19.0728, 3.0557)

Have a look what the booklet for
XYZ(23.2287, 19.0728, 3.0557)
contains.

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Color

**XYZ(23.2290, 19.0147,
3.0620)**

Conversions

Conversions Part 1

Format	Color
Hex	B26613
RGB	178, 102, 19
RGB Percent	70%, 40%, 7%
CMY	0.3020, 0.6000, 0.9255
CMYK	0.00, 0.43, 0.89, 0.30
HSL	31°, 81%, 39%
HSV	31°, 89%, 70%
XYZ	23.2290, 19.0147, 3.0620
YIQ	115.2620, 71.9390, -9.7010

Conversions

Conversions Part 2

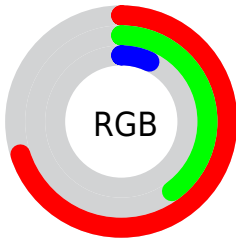
Format	Color
RYB	165, 178, 19
Decimal	11691539
CIELab	50.70, 25.09, 54.19
CIElCh	51, 59.714, 65.155
Yxy	19.0147, 0.5127, 0.4197
Android (android.graphics.Color)	4289881619 (0xFFB26613)
YUV	115.2620, -47.4572, 55.0212
Hunter-Lab	43.6058, 18.7774, 26.3608

Details

The XYZ color **23.2290, 19.0147, 3.0620** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.3965, 11.5369, 43.6926**, and the grayscale version is **16.5003, 17.3596, 18.9046**.

A 20% lighter version of the original color is **48.3548, 41.9430, 11.8506**, and **8.9269, 6.5603, 0.7958** is the 20% darker color. If you saturate the color by 10%, you get **22.3247, 17.3839, 2.2134**, and if you desaturate by 10%, it is **24.3223, 20.8601, 4.4786**.

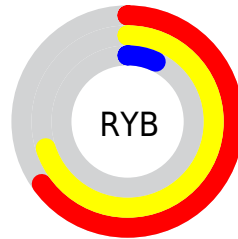
Distribution



Red (70%)

Green (40%)

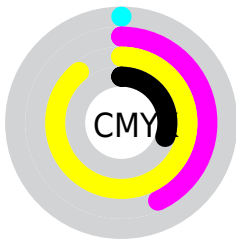
Blue (7%)



Red (65%)

Yellow (70%)

Blue (7%)

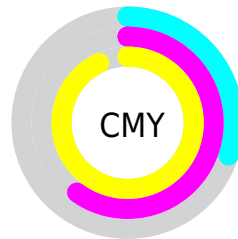


Cyan (0%)

Magenta (43%)

Yellow (89%)

Black (30%)



Cyan (30%)

Magenta (60%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2290, 19.0147, 3.0620 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 23.2290, 19.0147, 3.0620 by changing the saturation by 10% instead.

■ 23.2290, 19.0147,
3.0620

■ 23.2290, 19.0147,
3.0620

261.4124,
246.5299, 137.1464

■ 14.8843, 11.6809,
1.1264

■ 48.2330, 41.7589,
11.7810

■ 8.8240, 6.5268,
0.0000

■ 65.6230, 57.9382,
19.4016

■ 4.6828, 3.1680,
0.0000

■ 86.7588, 77.8347,
29.7541

■ 2.0952, 1.2200,
0.0000

■ 112.0057,
101.8328, 43.2572

■ 0.6866, 0.0780,
0.0000

■ 141.7292,
130.3170, 60.3295

■ 0.0000, 0.0000,
0.0000

■ 176.2946,

163.6717, 81.3894

216.0672,
202.2812, 106.8555

23.2290, 19.0147,
3.0620

23.2290, 19.0147,
3.0620

22.3247, 17.3839,
2.2134

24.3223, 20.8601,
4.4786

22.2675, 17.2799,
2.1617

25.6394, 22.9355,
6.6405

27.2007, 25.2537,
9.6410

29.0234, 27.8251,
13.5594

31.1228, 30.6594,
18.4658

■ 33.5129, 33.7656,
24.4233

■ 36.2066, 37.1521,
31.4897

■ 39.2159, 40.8270,
39.7185

■ 42.5522, 44.7978,
49.1598

Harmonies

Analogous

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



28.9313, 19.0147, 7.1329



23.2290, 19.0147, 3.0620



17.0798, 19.0147, 2.3311

Triad

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



23.2290, 19.0147, 3.0620



9.0177, 19.0147, 23.7389



25.3630, 19.0147, 59.8477

Complementary

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



23.2290, 19.0147, 3.0620



12.3965, 11.5369, 43.6926

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.



19.1037, 19.0147, 72.2952



23.2290, 19.0147, 3.0620



10.3412, 19.0147, 45.3777

Square

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



23.2290, 19.0147, 3.0620



9.6593, 19.0147, 9.8949



13.7425, 19.0147, 65.9228



30.3381, 19.0147, 37.4246

Rectangle

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



23.2290, 19.0147, 3.0620



13.6965, 19.0147, 3.0827



13.7425, 19.0147, 65.9228



23.2945, 19.0147, 65.7629

Sweetspot

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



23.2294, 19.0157, 3.0623



61.6386, 62.3335, 46.5144



20.6974, 10.7726, 12.0190



13.3117, 13.3703, 9.4229



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.2294, 19.0157, 3.0623



40.1492, 30.8726, 3.8429



33.7956, 41.0420, 6.7570



8.8511, 9.2147, 8.9646



15.9961, 12.4908, 1.5679



0.5613, 0.5090, 0.0687

Inverse Universe

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



12.3965, 11.5369, 43.6926



20.2474, 17.1786, 78.6298



8.5921, 3.8469, 42.4088



8.3658, 8.8779, 10.7790



8.1408, 7.0819, 31.0749



0.3147, 0.3399, 0.9973

Previews

White Background



This preview shows how the XYZ color 23.2290, 19.0147, 3.0620 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 XYZ color 23.2290, 19.0147, 3.0620 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](#).

XYZ 23.2290, 19.0147, 3.0620

Background



This preview shows how black text looks on a background with the XYZ color 23.2290, 19.0147, 3.0620.



This preview shows how white text looks on a background with the XYZ color 23.2290, 19.0147,

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

23.2290, 19.0147, 3.0620

Protanopia

17.2777, 19.2193, 3.6632

Deuteranopia

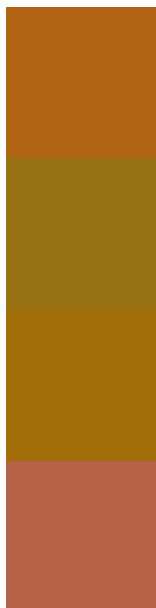
19.2676, 19.0338, 2.6584



Tritanopia

25.7819, 19.0888, 14.8960

Trichromacy



Original Color

23.2290, 19.0147, 3.0620

Protanomaly

19.0381, 18.8987, 3.4035

Deuteranomaly

20.5146, 18.8486, 2.7579

Tritanomaly

24.5934, 19.0270, 8.5073

Monochromacy



Original Color

23.2290, 19.0147, 3.0620

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.5051, 17.1343, 9.9741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2290, 19.0147, 3.0620 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(178, 102, 19)` looks like.

```
.text, #text, p{  
    color:rgb(178, 102, 19)  
}
```

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(178, 102, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 102, 19) }
```

Border

The CSS property to change the border of an element to XYZ 23.2290, 19.0147, 3.0620 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(178, 102, 19) }
```


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

```
.border{ border-color:rgb(178, 102, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 102, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 102, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 102, 19);  
box-shadow:4px 4px 4px 4px rgb(178, 102,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2290, 19.0147, 3.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 102, 19) }
```

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

```
.background{ background-color: rgb(178,  
102, 19) }
```

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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