

# Converting Colors

XYZ(27.1961, 23.3489, 3.0734)

Have a look what the booklet for  
XYZ(27.1961, 23.3489, 3.0734)  
contains.

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# Color

**XYZ(27.2317, 23.3096,  
3.0639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD7400
RGB	189, 116, 0
RGB Percent	74%, 45%, 0%
CMY	0.2588, 0.5451, 1.0000
CMYK	0.00, 0.39, 1.00, 0.26
HSL	37°, 100%, 37%
HSV	37°, 100%, 74%
XYZ	27.2317, 23.3096, 3.0639
YIQ	124.6030, 80.7440, -20.6000

# Conversions

## Conversions Part 2

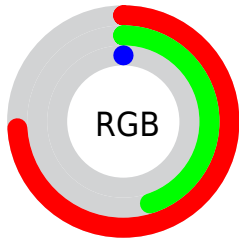
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 189, 0
Decimal	12416000
CIE Lab	55.39, 21.91, 62.25
CIE LCh	55, 65.995, 70.613
Yxy	23.3096, 0.5080, 0.4348
Android (android.graphics.Color)	4290606080 (0xFFBD7400)
YUV	124.6030, -61.4293, 56.4762
Hunter-Lab	48.2800, 16.1905, 30.0334

# Details

The XYZ color **27.2317, 23.3096, 3.0639** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.5679, 8.4393, 49.1631**, and the grayscale version is **19.5412, 20.5588, 22.3885**.

A 20% lighter version of the original color is **54.7697, 48.9078, 11.7077**, and **11.2131, 8.7601, 1.0999** is the 20% darker color. If you saturate the color by 10%, you get **27.2319, 23.3102, 3.0641**, and if you desaturate by 10%, it is **28.2238, 25.1072, 3.9705**.

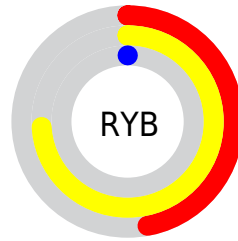
# Distribution



Red (74%)

Green (45%)

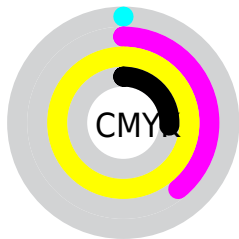
Blue (0%)



Red (47%)

Yellow (74%)

Blue (0%)

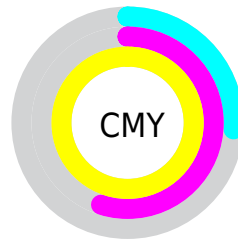


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (55%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2317, 23.3096, 3.0639 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 27.2317, 23.3096, 3.0639 by changing the saturation by 10% instead.



■ 27.2317, 23.3096,  
3.0639

■ 27.2317, 23.3096,  
3.0639

280.9244,  
269.3112, 137.1704

■ 17.8848, 14.8223,  
1.1274

■ 54.6727, 48.9012,  
11.7857

■ 10.9665, 8.6948,  
0.0000

■ 73.4975, 66.7743,  
19.4081

■ 6.1114, 4.5426,  
0.0000

■ 96.2124, 88.5447,  
29.7628

■ 2.9543, 1.9815,  
0.0000

■ 123.1826,  
114.5969, 43.2683

■ 1.1296, 0.5967,  
0.0000

■ 154.7736,  
145.3152, 60.3433


■ 0.0497, 0.0000,  
0.0000


■ 191.3506,


■ 0.0000, 0.0000,


181.0841, 81.4063


0.0000


 233.2791,  
222.2880, 106.8758


 27.2317, 23.3096,  
3.0639

 27.2317, 23.3096,  
3.0639


 27.2319, 23.3102,  
3.0641

 28.2238, 25.1072,  
3.9705

 29.3962, 27.0841,  
5.4958

 30.7921, 29.2608,  
7.8575

 32.4336, 31.6483,  
11.1652

 34.3395, 34.2564,  
15.5114

■ 36.5265, 37.0937,  
20.9775

■ 39.0096, 40.1683,  
27.6370

■ 41.8028, 43.4878,  
35.5566

■ 44.9189, 47.0591,  
44.7986

# Harmonies

## Analogous

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



34.8335, 23.3096, 7.0015



27.2317, 23.3096, 3.0639



19.6320, 23.3096, 2.6858

# Triad

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



27.2317, 23.3096, 3.0639



10.8901, 23.3096, 33.6662



32.7900, 23.3096, 70.6963

# Complementary

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



27.2317, 23.3096, 3.0639



11.5679, 8.4393, 49.1631

# 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.



24.8856, 23.3096, 90.3678



27.2317, 23.3096, 3.0639



13.0001, 23.3096, 62.3093

# Square

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



27.2317, 23.3096, 3.0639



11.2455, 23.3096, 14.0975



17.7522, 23.3096, 86.6509



38.5054, 23.3096, 41.4866



# Rectangle

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



27.2317, 23.3096, 3.0639



15.6599, 23.3096, 3.9645



17.7522, 23.3096, 86.6509



30.2359, 23.3096, 79.2213

# Sweetspot

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



27.2322, 23.3108, 3.0643



69.6391, 71.6658, 48.8707



22.2770, 11.3352, 7.7792



14.5605, 14.9027, 9.3801



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.



27.2322, 23.3108, 3.0643



48.5330, 41.2697, 5.4079



34.7968, 44.9522, 6.8428



10.0044, 10.4848, 10.0731



18.3984, 15.8356, 2.0869



0.7823, 0.7435, 0.1023



# Inverse Universe

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



11.5679, 8.4393, 49.1631



20.5025, 14.6836, 87.9798



9.4520, 3.8117, 48.3814



9.3105, 9.8134, 12.0757



7.8522, 5.8162, 33.1017



0.3714, 0.3554, 1.3179



# Previews

## White Background



This preview shows how the XYZ color 27.2317, 23.3096, 3.0639 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 27.2317, 23.3096, 3.0639 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 27.2317, 23.3096, 3.0639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2317, 23.3096, 3.0639.



This preview shows how white text looks on a background with the XYZ color 27.2317, 23.3096,



# 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

27.2317, 23.3096, 3.0639

### Protanopia

21.1820, 23.5659, 3.8477

### Deuteranopia

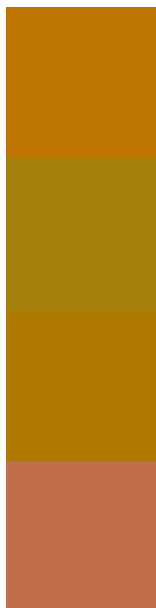
23.6093, 23.2465, 3.2427



## Tritanopia

30.5073, 23.3235, 19.4170

# Trichromacy



## Original Color

27.2317, 23.3096, 3.0639

## Protanomaly

22.9485, 23.0910, 3.5059

## Deuteranomaly

24.8640, 23.1492, 3.1578

## Tritanomaly

28.6587, 23.0698, 9.4210

# Monochromacy



## Original Color

27.2317, 23.3096, 3.0639

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

20.6202, 20.7942, 10.5163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2317, 23.3096, 3.0639 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 116, 0)  
}
```

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, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 116, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2317, 23.3096, 3.0639 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, 116, 0) }
```



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

```
.border{ border-color:rgb(189, 116, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 116,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2317, 23.3096, 3.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 116, 0) }
```

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

```
.background{ background-color: rgb(189,  
116, 0) }
```

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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