

Converting Colors

XYZ(23.2588, 20.2594, 2.7277)

Have a look what the booklet for
XYZ(23.2588, 20.2594, 2.7277)
contains.

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Color

**XYZ(23.2661, 20.2702,
2.7437)**

Conversions

Conversions Part 1

Format	Color
Hex	AF6E02
RGB	175, 110, 2
RGB Percent	69%, 43%, 1%
CMY	0.3137, 0.5686, 0.9921
CMYK	0.00, 0.37, 0.99, 0.31
HSL	37°, 98%, 35%
HSV	37°, 99%, 69%
XYZ	23.2661, 20.2702, 2.7437
YIQ	117.1230, 73.4080, -19.8080

Conversions

Conversions Part 2

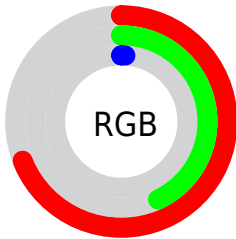
Format	Color
R_{YB}	106, 175, 2
Decimal	11496962
CIE Lab	52.14, 19.06, 58.85
CIE LCh	52, 61.860, 72.052
Yxy	20.2702, 0.5027, 0.4380
Android (android.graphics.Color)	4289687042 (0xFFAF6E02)
YUV	117.1230, -56.7556, 50.7581
Hunter-Lab	45.0224, 13.4536, 27.9025

Details

The XYZ color **23.2661, 20.2702, 2.7437** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.7701, 7.1224, 41.4170**, and the grayscale version is **17.1020, 17.9927, 19.5940**.

A 20% lighter version of the original color is **48.4665, 44.0552, 10.9501**, and **9.0587, 7.2272, 0.9175** is the 20% darker color. If you saturate the color by 10%, you get **23.1746, 20.1049, 2.6592**, and if you desaturate by 10%, it is **24.1134, 21.7876, 3.5735**.

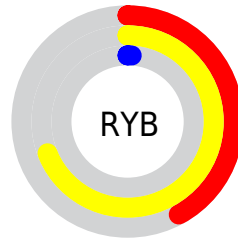
Distribution



Red (69%)

Green (43%)

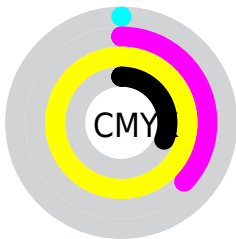
Blue (1%)



Red (42%)

Yellow (69%)

Blue (1%)

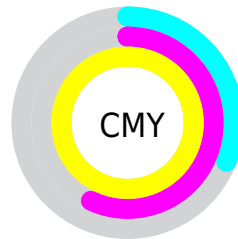


Cyan (0%)

Magenta (37%)

Yellow (99%)

Black (31%)



Cyan (31%)

Magenta (57%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2661, 20.2702, 2.7437 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 23.2661, 20.2702, 2.7437 by changing the saturation by 10% instead.

■ 23.2661, 20.2702,
2.7437

■ 23.2661, 20.2702,
2.7437

261.5987,
253.3741, 133.0262

■ 14.9119, 12.5916,
0.9653

■ 48.2933, 43.8697,
10.9892

■ 8.8435, 7.1479,
0.0000

■ 65.6971, 60.5595,
18.2933

■ 4.6955, 3.5548,
0.0000

■ 86.8481, 81.0217,
28.2765

■ 2.1027, 1.4278,
0.0000

■ 112.1116,
105.6408, 41.3572

■ 0.6907, 0.2371,
0.0000

■ 141.8531,
134.8012, 57.9540

■ 0.0000, 0.0000,
0.0000

■ 176.4379,

168.8873, 78.4854

■ 216.2313,
208.2835, 103.3699

■ 23.2661, 20.2702,
2.7437

■ 23.2661, 20.2702,
2.7437

■ 23.1746, 20.1049,
2.6592

■ 24.1134, 21.7876,
3.5735

■ 25.1153, 23.4518,
4.9537

■ 26.3036, 25.2784,
7.0455

■ 27.6961, 27.2760,
9.9370

■ 29.3079, 29.4523,
13.7031

■ 31.1526, 31.8144,
18.4104

■ 33.2425, 34.3686,
24.1186

■ 35.5889, 37.1209,
30.8827

■ 38.2022, 40.0770,
38.7536

Harmonies

Analogous

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



29.7926, 20.2702, 5.9865



23.2661, 20.2702, 2.7437



16.8345, 20.2702, 2.5190

Triad

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



23.2661, 20.2702, 2.7437



9.6450, 20.2702, 30.1802



28.6244, 20.2702, 59.3982

Complementary

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



23.2661, 20.2702, 2.7437



9.7701, 7.1224, 41.4170

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.



21.9215, 20.2702, 76.7358



23.2661, 20.2702, 2.7437



11.5671, 20.2702, 54.6266

Square

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



23.2661, 20.2702, 2.7437



9.8507, 20.2702, 12.9766



15.7532, 20.2702, 74.6256



33.3226, 20.2702, 34.6512

Rectangle

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



23.2661, 20.2702, 2.7437



13.5011, 20.2702, 3.7471



15.7532, 20.2702, 74.6256



26.4755, 20.2702, 66.7684

Sweetspot

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



23.2665, 20.2713, 2.7441



58.8821, 60.7674, 41.3654



18.7540, 9.5787, 6.3807



12.7383, 13.0821, 8.2338



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.2665, 20.2713, 2.7441



41.2888, 35.5748, 4.6905



28.8233, 37.6146, 5.7988



8.4060, 8.8168, 8.4721



16.6567, 14.5189, 1.9245



0.5137, 0.5045, 0.0703

Inverse Universe

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



9.7701, 7.1224, 41.4170



17.1277, 12.0823, 74.0663



8.0946, 3.3114, 40.7697



7.8162, 8.2319, 10.1296



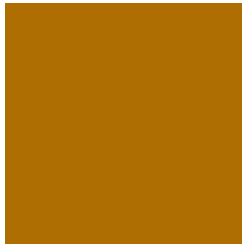
6.9811, 5.0960, 29.6602



0.2477, 0.2488, 0.8430

Previews

White Background



This preview shows how the XYZ color 23.2661, 20.2702, 2.7437 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 23.2661, 20.2702, 2.7437 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 23.2661, 20.2702, 2.7437

Background



This preview shows how black text looks on a background with the XYZ color 23.2661, 20.2702, 2.7437.



This preview shows how white text looks on a background with the XYZ color 23.2661, 20.2702,

2.7437.

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

23.2661, 20.2702, 2.7437

Protanopia

18.3908, 20.3590, 3.3412

Deuteranopia

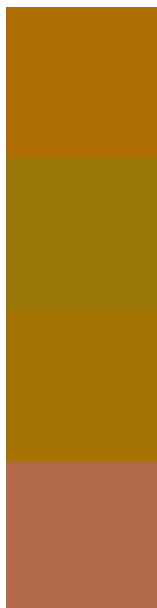
20.5790, 20.2260, 2.8194



Tritanopia

26.1562, 20.2122, 17.2746

Trichromacy



Original Color

23.2661, 20.2702, 2.7437

Protanomaly

19.9026, 20.2250, 3.1133

Deuteranomaly

21.4461, 20.1562, 2.7889

Tritanomaly

24.5490, 20.0231, 8.5322

Monochromacy



Original Color

23.2661, 20.2702, 2.7437

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7685, 17.9459, 9.1840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2661, 20.2702, 2.7437 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(175, 110, 2)` looks like.

```
.text, #text, p{  
    color:rgb(175, 110, 2)  
}
```

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(175, 110, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 110, 2) }
```

Border

The CSS property to change the border of an element to XYZ 23.2661, 20.2702, 2.7437 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(175, 110, 2) }
```


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

```
.border{ border-color:rgb(175, 110, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 110, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 110, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 110, 2);  
box-shadow:4px 4px 4px 4px rgb(175, 110,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2661, 20.2702, 2.7437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 110, 2) }
```

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

```
.background{ background-color: rgb(175,  
110, 2) }
```

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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