

Converting Colors

XYZ(23.7001, 20.4941, 11.1065)

Have a look what the booklet for
XYZ(23.7001, 20.4941, 11.1065)
contains.

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Color

**XYZ(23.6469, 20.4440,
11.0873)**

Conversions

Conversions Part 1

Format	Color
Hex	A96F54
RGB	169, 111, 84
RGB Percent	66%, 44%, 33%
CMY	0.3373, 0.5647, 0.6706
CMYK	0.00, 0.34, 0.50, 0.34
HSL	19°, 34%, 50%
HSV	19°, 50%, 66%
XYZ	23.6469, 20.4440, 11.0873
YIQ	125.2640, 43.2350, 3.8990

Conversions

Conversions Part 2

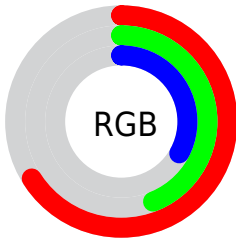
Format	Color
R_{YB}	169, 124, 84
Decimal	11104084
CIE Lab	52.34, 19.92, 24.43
CIE LCh	52, 31.520, 50.799
Yxy	20.4440, 0.4286, 0.3705
Android (android.graphics.Color)	4289294164 (0xFFA96F54)
YUV	125.2640, -20.3432, 38.3565
Hunter-Lab	45.2150, 14.2269, 17.1119

Details

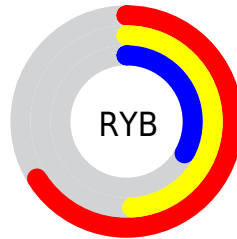
The XYZ color **23.6469, 20.4440, 11.0873** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.4902, 24.0944, 41.1068**, and the grayscale version is **19.6387, 20.6615, 22.5003**.

A 20% lighter version of the original color is **48.7643, 44.0844, 28.4932**, and **9.0668, 7.2724, 2.7596** is the 20% darker color. If you saturate the color by 10%, you get **21.8852, 17.8552, 7.6190**, and if you desaturate by 10%, it is **25.7318, 23.4236, 15.4516**.

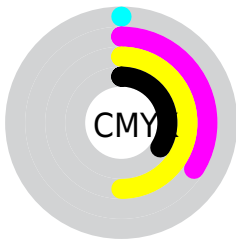
Distribution



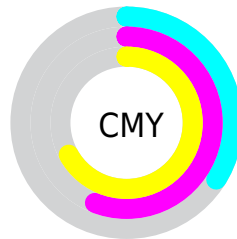
- Red (66%)
- Green (44%)
- Blue (33%)



- Red (66%)
- Yellow (49%)
- Blue (33%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (34%)





- Cyan (34%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6469, 20.4440, 11.0873 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 23.6469, 20.4440, 11.0873 by changing the saturation by 10% instead.


 23.6469, 20.4440,
11.0873


 23.6469, 20.4440,
11.0873


263.5042,
254.3087, 209.0244


 15.1952, 12.7182,
6.0107


 48.9123, 44.1603,
28.4606


 9.0437, 7.2348,
2.7827


 66.4566, 60.9197,
41.5944


 4.8270, 3.6094,
0.9848


 87.7626, 81.4590,
58.2509

 2.1799, 1.4575,
0.0000

 113.1956,
106.1626, 78.8488

 0.7321, 0.2586,
0.0000

 143.1209,
135.4150, 103.8065

 0.0000, 0.0000,
0.0000

177.9038,

169.6006, 133.5427

217.9098,
209.1037, 168.4758

■ 23.6469, 20.4440,
11.0873

■ 23.6469, 20.4440,
11.0873

■ 21.8852, 17.8552,
7.6190

■ 25.7318, 23.4236,
15.4516

■ 20.4273, 15.6371,
4.9821

■ 28.1547, 26.8069,
20.7680

■ 19.2538, 13.7723,
3.1046

■ 30.9313, 30.6098,
27.0896

■ 18.3422, 12.2405,
1.9020

■ 34.0758, 34.8465,
34.4649

■ 17.6670, 11.0446,
1.2007

■ 37.6016, 39.5304,
42.9394

■ 41.5213, 44.6743,
52.5559

■ 45.8471, 50.2907,
63.3550

■ 50.5905, 56.3914,
75.3750

■ 55.7626, 62.9878,
88.6529

Harmonies

Analogous

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



25.8659, 20.4440, 16.4998



23.6469, 20.4440, 11.0873



20.4461, 20.4440, 8.8717

Triad

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



23.6469, 20.4440, 11.0873



13.9011, 20.4440, 19.5237



21.7317, 20.4440, 43.4865

Complementary

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



23.6469, 20.4440, 11.0873



20.4902, 24.0944, 41.1068

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.



18.4509, 20.4440, 44.9631



23.6469, 20.4440, 11.0873



14.1637, 20.4440, 29.2256

Square

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



23.6469, 20.4440, 11.0873



14.9871, 20.4440, 12.7699



15.7493, 20.4440, 39.1732



24.6775, 20.4440, 35.5689

Rectangle

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



23.6469, 20.4440, 11.0873



18.2859, 20.4440, 8.9186



15.7493, 20.4440, 39.1732



20.6238, 20.4440, 44.8250

Sweetspot

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



23.6474, 20.4450, 11.0877



58.1433, 58.5360, 54.9145



24.4214, 16.7314, 27.5665



12.4283, 12.4285, 11.3974



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.6474, 20.4450, 11.0877



38.9728, 31.6449, 13.2258



29.4220, 31.9943, 13.0126



7.7184, 7.9169, 7.9106



13.2106, 8.3185, 0.9094



0.3670, 0.2936, 0.0373

Inverse Universe

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



20.4902, 24.0944, 41.1068



32.6445, 38.8328, 73.0000



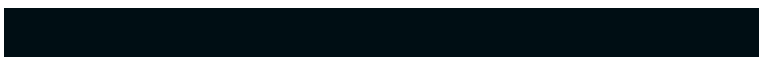
15.3351, 13.7843, 39.3885



7.5436, 8.1241, 9.5889



9.9827, 11.4255, 29.6547



0.2858, 0.3638, 0.7358

Previews

White Background



This preview shows how the XYZ color 23.6469, 20.4440, 11.0873 looks on a white background.

Color Contrast Check

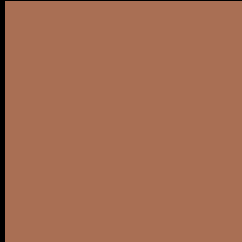
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6469, 20.4440, 11.0873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

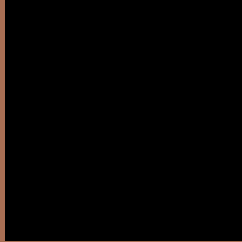
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6469, 20.4440, 11.0873

Background



This preview shows how black text looks on a background with the XYZ color 23.6469, 20.4440, 11.0873.



This preview shows how white text looks on a background with the XYZ color 23.6469, 20.4440,

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

23.6469, 20.4440, 11.0873

Protanopia

19.1708, 20.5563, 12.6302

Deuteranopia

20.8171, 20.5262, 10.8474



Tritanopia

25.1468, 20.4111, 18.8340

Trichromacy



Original Color

23.6469, 20.4440, 11.0873

Protanomaly

20.5105, 20.3406, 12.0776

Deuteranomaly

21.8273, 20.5152, 10.9930

Tritanomaly

24.4388, 20.2706, 15.7213

Monochromacy



Original Color

23.6469, 20.4440, 11.0873

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.5154, 20.2215, 17.5737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6469, 20.4440, 11.0873 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(169, 111, 84)` looks like.

```
.text, #text, p{  
    color:rgb(169, 111, 84)  
}
```

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(169, 111, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 111, 84) }
```

Border

The CSS property to change the border of an element to XYZ 23.6469, 20.4440, 11.0873 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(169, 111, 84) }
```


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

```
.border{ border-color:rgb(169, 111, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 111, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 111, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 111, 84);  
box-shadow:4px 4px 4px 4px rgb(169, 111,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6469, 20.4440, 11.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 111, 84) }
```

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

```
.background{ background-color: rgb(169,  
111, 84) }
```

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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