

Converting Colors

XYZ(23.8466, 20.6307, 11.4586)

Have a look what the booklet for
XYZ(23.8466, 20.6307, 11.4586)
contains.

XYZ(23.8361, 20.6952, 11.5424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8361, 20.6952,
11.5424)**

Conversions

Conversions Part 1

Format	Color
Hex	A97056
RGB	169, 112, 86
RGB Percent	66%, 44%, 34%
CMY	0.3373, 0.5608, 0.6627
CMYK	0.00, 0.34, 0.49, 0.34
HSL	19°, 33%, 50%
HSV	19°, 49%, 66%
XYZ	23.8361, 20.6952, 11.5424
YIQ	126.0790, 42.3180, 3.9980

Conversions

Conversions Part 2

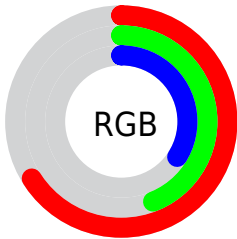
Format	Color
R_{YB}	169, 124, 86
Decimal	11104342
CIE Lab	52.61, 19.56, 23.65
CIE LCh	53, 30.686, 50.406
Yxy	20.6952, 0.4251, 0.3691
Android (android.graphics.Color)	4289294422 (0xFFA97056)
YUV	126.0790, -19.7589, 37.6417
Hunter-Lab	45.4920, 13.9164, 16.8011

Details

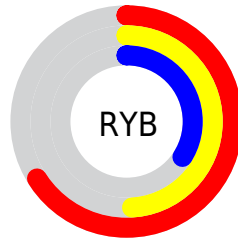
The XYZ color **23.8361, 20.6952, 11.5424** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.8213, 24.4871, 41.1652**, and the grayscale version is **19.9135, 20.9506, 22.8152**.

A 20% lighter version of the original color is **49.0834, 44.4972, 29.2944**, and **9.1558, 7.3974, 2.9528** is the 20% darker color. If you saturate the color by 10%, you get **22.0351, 18.0570, 7.9707**, and if you desaturate by 10%, it is **25.9643, 23.7300, 16.0179**.

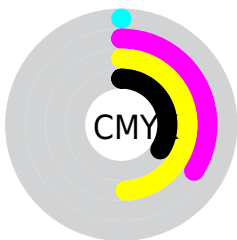
Distribution



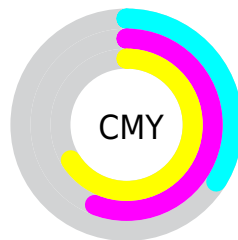
- Red (66%)
- Green (44%)
- Blue (34%)



- Red (66%)
- Yellow (49%)
- Blue (34%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (34%)



- Cyan (34%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8361, 20.6952, 11.5424 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 23.8361, 20.6952, 11.5424 by changing the saturation by 10% instead.

■ 23.8361, 20.6952,
11.5424

■ 23.8361, 20.6952,
11.5424

264.4467,
255.6542, 212.2211

■ 15.3362, 12.9014,
6.3142

■ 49.2192, 44.5797,
29.3107

■ 9.1435, 7.3607,
2.9652

■ 66.8331, 61.4392,
42.6879

■ 4.8928, 3.6887,
1.0769

■ 88.2157, 82.0894,
59.6185

■ 2.2186, 1.5010,
0.0000

■ 113.7324,
106.9146, 80.5210

■ 0.7525, 0.2894,
0.0000

■ 143.7485,
136.2993, 105.8139

■ 0.0000, 0.0000,
0.0000

178.6293,

170.6279, 135.9159

218.7403,
210.2847, 171.2455

■ 23.8361, 20.6952,
11.5424

■ 23.8361, 20.6952,
11.5424

■ 22.0351, 18.0570,
7.9707

■ 25.9643, 23.7300,
16.0179

■ 20.5418, 15.7952,
5.2387

■ 28.4343, 27.1743,
21.4526

■ 19.3371, 13.8923,
3.2760


■ 31.2619, 31.0442,
27.8991


■ 18.3986, 12.3279,
1.9994


■ 34.4614, 35.3540,
35.4057


■ 17.6886, 11.0746,
1.2484


■ 38.0460, 40.1174,
44.0175

 17.6329, 10.9764,
1.1893

 42.0284, 45.3472,
53.7770

 46.4209, 51.0560,
64.7245

 51.2349, 57.2557,
76.8984

 56.4816, 63.9578,
90.3352

Harmonies

Analogous

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



25.9847, 20.6952, 16.9559



23.8361, 20.6952, 11.5424



20.7083, 20.6952, 9.2890

Triad

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



23.8361, 20.6952, 11.5424



14.2297, 20.6952, 19.7357



21.8831, 20.6952, 43.2870

Complementary

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



23.8361, 20.6952, 11.5424



20.8213, 24.4871, 41.1652

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.



18.6673, 20.6952, 44.6220



23.8361, 20.6952, 11.5424



14.4717, 20.6952, 29.2171

Square

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



23.8361, 20.6952, 11.5424



15.3193, 20.6952, 13.1037



16.0203, 20.6952, 38.9262



24.7754, 20.6952, 35.6585

Rectangle

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



23.8361, 20.6952, 11.5424



18.5849, 20.6952, 9.3129



16.0203, 20.6952, 38.9262



20.7969, 20.6952, 44.5540

Sweetspot

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



23.8366, 20.6962, 11.5428



58.1105, 58.4704, 54.9036



24.7318, 17.1075, 28.4244



12.4204, 12.4127, 11.3947



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.



23.8366, 20.6962, 11.5428



39.1880, 31.9284, 13.7508



29.3353, 31.6936, 13.3757



7.7158, 7.9116, 7.9097



13.1848, 8.2669, 0.9008



0.3661, 0.2917, 0.0370

Inverse Universe

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



20.8213, 24.4871, 41.1652



33.1065, 39.4452, 73.0939



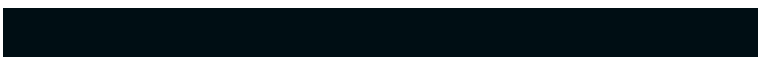
15.8100, 14.4644, 39.4948



7.5463, 8.1296, 9.5898



10.0460, 11.5522, 29.6758



0.2870, 0.3663, 0.7362

Previews

White Background



This preview shows how the XYZ color 23.8361, 20.6952, 11.5424 looks on a white background.

Color Contrast Check

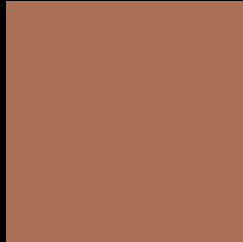
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8361, 20.6952, 11.5424 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 23.8361, 20.6952, 11.5424

Background



This preview shows how black text looks on a background with the XYZ color 23.8361, 20.6952, 11.5424.



This preview shows how white text looks on a background with the XYZ color 23.8361, 20.6952,

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

23.8361, 20.6952, 11.5424

Protanopia

19.3843, 20.8453, 13.1271

Deuteranopia

21.0792, 20.6523, 11.2628



Tritanopia

25.3095, 20.6440, 19.1737

Trichromacy



Original Color

23.8361, 20.6952, 11.5424

Protanomaly

20.7155, 20.6160, 12.5603

Deuteranomaly

22.1015, 20.6476, 11.4148

Tritanomaly

24.5960, 20.5032, 16.0258

Monochromacy



Original Color

23.8361, 20.6952, 11.5424

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.8619, 20.5732, 17.9104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8361, 20.6952, 11.5424 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, 112, 86)` looks like.

```
.text, #text, p{  
    color:rgb(169, 112, 86)  
}
```

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, 112, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 112, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.8361, 20.6952, 11.5424 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, 112, 86) }
```


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

```
.border{ border-color:rgb(169, 112, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 112, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 112, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 112, 86);  
box-shadow:4px 4px 4px 4px rgb(169, 112,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8361, 20.6952, 11.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 112, 86) }
```

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

```
.background{ background-color: rgb(169,  
112, 86) }
```

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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