

Converting Colors

XYZ(23.8816, 21.7964, 11.7927)

Have a look what the booklet for
XYZ(23.8816, 21.7964, 11.7927)
contains.

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Color

**XYZ(23.8840, 21.7357,
11.7407)**

Conversions

Conversions Part 1

Format	Color
Hex	A67656
RGB	166, 118, 86
RGB Percent	65%, 46%, 34%
CMY	0.3490, 0.5372, 0.6627
CMYK	0.00, 0.29, 0.48, 0.35
HSL	24°, 32%, 49%
HSV	24°, 48%, 65%
XYZ	23.8840, 21.7357, 11.7407
YIQ	128.7040, 38.8800, 0.2240

Conversions

Conversions Part 2

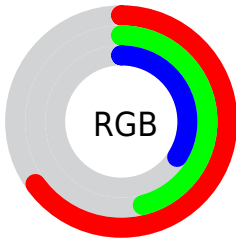
Format	Color
R_{YB}	166, 139, 86
Decimal	10909270
CIE Lab	53.75, 14.89, 25.06
CIE LCh	54, 29.149, 59.275
Yxy	21.7357, 0.4164, 0.3789
Android (android.graphics.Color)	4289099350 (0xFFA67656)
YUV	128.7040, -21.0531, 32.7086
Hunter-Lab	46.6216, 9.8570, 17.7041

Details

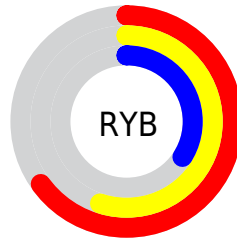
The XYZ color **23.8840, 21.7357, 11.7407** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2454, 21.7809, 39.2661**, and the grayscale version is **20.8249, 21.9094, 23.8593**.

A 20% lighter version of the original color is **49.2501, 46.2150, 29.6172**, and **9.1932, 7.8542, 3.0390** is the 20% darker color. If you saturate the color by 10%, you get **22.1798, 19.2763, 8.2474**, and if you desaturate by 10%, it is **25.8685, 24.5071, 16.0942**.

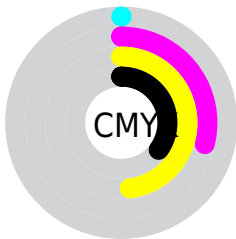
Distribution



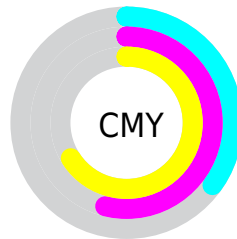
- Red (65%)
- Green (46%)
- Blue (34%)



- Red (65%)
- Yellow (55%)
- Blue (34%)



- Cyan (0%)
- Magenta (29%)
- Yellow (48%)
- Black (35%)



- Cyan (35%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8840, 21.7357, 11.7407 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 23.8840, 21.7357, 11.7407 by changing the saturation by 10% instead.

■ 23.8840, 21.7357,
11.7407

■ 23.8840, 21.7357,
11.7407

264.6849,
261.1629, 213.5976

■ 15.3719, 13.6628,
6.4470

■ 49.2969, 46.3088,
29.6793

■ 9.1688, 7.8865,
3.0456

■ 66.9284, 63.5778,
43.1612

■ 4.9094, 4.0224,
1.1180

■ 88.3303, 84.6809,
60.2096

■ 2.2284, 1.6861,
0.0000

■ 113.8681,
110.0026, 81.2430

■ 0.7577, 0.4146,
0.0000

■ 143.9071,
139.9273, 106.6800

■ 0.0000, 0.0000,
0.0000

178.8127,

174.8393, 136.9390

218.9501,
215.1230, 172.4387

■ 23.8840, 21.7357,
11.7407

■ 23.8840, 21.7357,
11.7407

■ 22.1798, 19.2763,
8.2474

■ 25.8685, 24.5071,
16.0942

■ 20.7396, 17.1136,
5.5544

■ 28.1451, 27.5985,
21.3598

■ 19.5475, 15.2358,
3.5958

■ 30.7270, 31.0217,
27.5868

■ 18.5849, 13.6287,
2.2944

■ 33.6260, 34.7867,
34.8205

■ 17.8220, 12.2730,
1.5158

■ 36.8532, 38.9032,
43.1034

■ 17.6979, 12.0512,
1.3933

■ 40.4190, 43.3804,
52.4753

■ 44.3335, 48.2272,
62.9742

■ 48.6064, 53.4521,
74.6360

■ 53.2468, 59.0634,
87.4953

Harmonies

Analogous

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



26.3568, 21.7357, 16.2088



23.8840, 21.7357, 11.7407



20.7353, 21.7357, 10.2917

Triad

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



23.8840, 21.7357, 11.7407



15.2140, 21.7357, 23.4494



23.7392, 21.7357, 42.0766

Complementary

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



23.8840, 21.7357, 11.7407



19.2454, 21.7809, 39.2661

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.



20.5832, 21.7357, 45.3834



23.8840, 21.7357, 11.7407



15.8481, 21.7357, 33.1193

Square

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



23.8840, 21.7357, 11.7407



15.9119, 21.7357, 15.9175



17.7385, 21.7357, 41.7578



26.2674, 21.7357, 33.5934

Rectangle

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



23.8840, 21.7357, 11.7407



18.7382, 21.7357, 10.8546



17.7385, 21.7357, 41.7578



22.7070, 21.7357, 43.9127

Sweetspot

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



23.8845, 21.7368, 11.7411



57.7658, 58.9134, 55.0073



23.3568, 16.4840, 24.5051



12.6871, 12.8710, 11.7153



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.



23.8845, 21.7368, 11.7411



40.0040, 34.6156, 14.4785



29.6324, 33.2325, 13.6571



7.7682, 8.0165, 7.9272



13.7672, 9.4317, 1.0949



0.3853, 0.3301, 0.0434

Inverse Universe

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



19.2454, 21.7809, 39.2661



30.5294, 34.6620, 70.5566



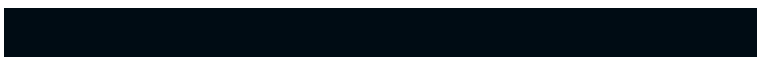
14.7236, 12.7373, 37.7588



7.4920, 8.0209, 9.5717



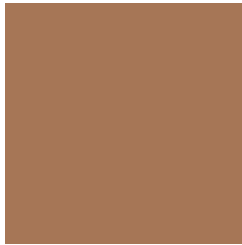
8.8876, 9.2354, 29.2897



0.2642, 0.3207, 0.7286

Previews

White Background



This preview shows how the XYZ color 23.8840, 21.7357, 11.7407 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 23.8840, 21.7357, 11.7407 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 23.8840, 21.7357, 11.7407

Background



This preview shows how black text looks on a background with the XYZ color 23.8840, 21.7357, 11.7407.



This preview shows how white text looks on a background with the XYZ color 23.8840, 21.7357,

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

23.8840, 21.7357, 11.7407

Protanopia

20.3432, 21.9277, 12.8331

Deuteranopia

22.2402, 21.7904, 11.6281



Tritanopia

25.7802, 21.6504, 21.2325

Trichromacy



Original Color

23.8840, 21.7357, 11.7407

Protanomaly

21.5312, 21.7781, 12.5200

Deuteranomaly

22.7751, 21.7015, 11.5828

Tritanomaly

25.0395, 21.6904, 17.3349

Monochromacy



Original Color

23.8840, 21.7357, 11.7407

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.4696, 21.6103, 18.6624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8840, 21.7357, 11.7407 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(166, 118, 86)` looks like.

```
.text, #text, p{  
    color:rgb(166, 118, 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(166, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 118, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.8840, 21.7357, 11.7407 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(166, 118, 86) }
```


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

```
.border{ border-color:rgb(166, 118, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 118, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(166, 118,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8840, 21.7357, 11.7407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 118, 86) }
```

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

```
.background{ background-color: rgb(166,  
118, 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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