

Converting Colors

XYZ(23.5734, 23.4487, 4.7329)

Have a look what the booklet for
XYZ(23.5734, 23.4487, 4.7329)
contains.

XYZ(23.5898, 23.3955, 4.7113)	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(23.5898, 23.3955,
4.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	A67F21
RGB	166, 127, 33
RGB Percent	65%, 50%, 13%
CMY	0.3490, 0.5019, 0.8706
CMYK	0.00, 0.23, 0.80, 0.35
HSL	42°, 67%, 39%
HSV	42°, 80%, 65%
XYZ	23.5898, 23.3955, 4.7113
YIQ	127.9450, 53.4180, -20.9660

Conversions

Conversions Part 2

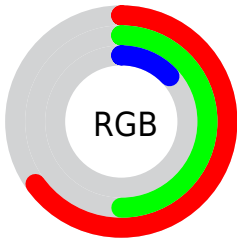
Format	Color
R_{YB}	88, 166, 33
Decimal	10911521
CIE Lab	55.48, 6.13, 53.02
CIE LCh	55, 53.376, 83.409
Yxy	23.3955, 0.4563, 0.4526
Android (android.graphics.Color)	4289101601 (0xFFA67F21)
YUV	127.9450, -46.8079, 33.3742
Hunter-Lab	48.3689, 2.4100, 28.0832

Details

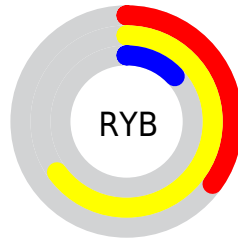
The XYZ color **23.5898, 23.3955, 4.7113** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.8275, 7.7111, 37.0467**, and the grayscale version is **20.6436, 21.7186, 23.6516**.

A 20% lighter version of the original color is **48.8512, 48.9196, 15.6718**, and **9.1548, 8.7638, 1.2091** is the 20% darker color. If you saturate the color by 10%, you get **22.7988, 22.0984, 3.5700**, and if you desaturate by 10%, it is **24.5269, 24.8016, 6.4674**.

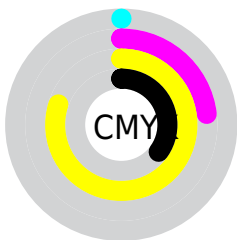
Distribution



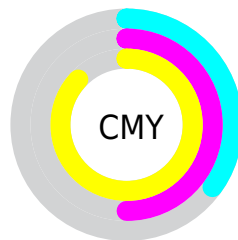
- Red (65%)
- Green (50%)
- Blue (13%)



- Red (35%)
- Yellow (65%)
- Blue (13%)



- Cyan (0%)
- Magenta (23%)
- Yellow (80%)
- Black (35%)



- Cyan (35%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5898, 23.3955, 4.7113 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 23.5898, 23.3955, 4.7113 by changing the saturation by 10% instead.

■ 23.5898, 23.3955,
4.7113

■ 23.5898, 23.3955,
4.7113

263.2192,
269.7499, 155.8307

■ 15.1527, 14.8858,
2.0231

■ 48.8195, 49.0419,
15.6196

■ 9.0136, 8.7393,
0.5694

■ 66.3429, 66.9475,
24.6768

■ 4.8073, 4.5715,
0.0000

■ 87.6257, 88.7537,
36.6941

■ 2.1682, 1.9981,
0.0000

■ 113.0333,
114.8451, 52.0900

■ 0.7259, 0.6064,
0.0000

■ 142.9312,
145.6060, 71.2831

■ 0.0000, 0.0000,
0.0000

■ 177.6845,

181.4209, 94.6919

217.6587,
222.6740, 122.7349

■ 23.5898, 23.3955,
4.7113

■ 23.5898, 23.3955,
4.7113

■ 22.7988, 22.0984,
3.5700

■ 24.5269, 24.8016,
6.4674

■ 22.1254, 20.9060,
2.8691

■ 25.6238, 26.3199,
8.9155

■ 26.8941, 27.9574,
12.1227

■ 28.3493, 29.7195,
16.1480

■ 29.9999, 31.6110,
21.0444

■ 31.8555, 33.6362,
26.8603

■ 33.9249, 35.7993,
33.6408

■ 36.2164, 38.1043,
41.4279

■ 38.7380, 40.5549,
50.2609

Harmonies

Analogous

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



29.8619, 23.3955, 7.0685



23.5898, 23.3955, 4.7113



17.9539, 23.3955, 5.5724

Triad

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



23.5898, 23.3955, 4.7113



13.2276, 23.3955, 41.0164



32.8668, 23.3955, 50.7363

Complementary

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



23.5898, 23.3955, 4.7113



9.8275, 7.7111, 37.0467

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.



27.1516, 23.3955, 69.5209



23.5898, 23.3955, 4.7113



16.0344, 23.3955, 62.3625

Square

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



23.5898, 23.3955, 4.7113



12.6184, 23.3955, 21.8604



20.9364, 23.3955, 74.5298



35.8068, 23.3955, 29.4648

Rectangle

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



23.5898, 23.3955, 4.7113



15.2026, 23.3955, 8.2006



20.9364, 23.3955, 74.5298



31.1620, 23.3955, 57.8783

Sweetspot

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



23.5903, 23.3967, 4.7118



56.3108, 59.4258, 43.9710



17.4691, 9.6746, 7.2330



12.3453, 13.0176, 9.0418



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.



23.5903, 23.3967, 4.7118



40.4333, 38.4220, 5.5341



24.6252, 32.9057, 6.4926



7.9583, 8.3967, 7.9905



17.1990, 16.2952, 2.2388



0.4594, 0.4784, 0.0681

Inverse Universe

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



9.8275, 7.7111, 37.0467



14.7706, 9.3931, 66.5098



9.2664, 4.7894, 36.5123



7.3044, 7.6457, 9.5091



6.2146, 3.8894, 28.3987



0.1948, 0.1818, 0.7055

Previews

White Background



This preview shows how the XYZ color 23.5898, 23.3955, 4.7113 looks on a white background.

Color Contrast Check

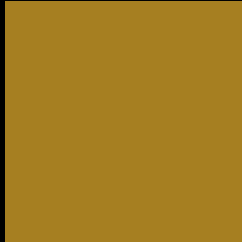
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5898, 23.3955, 4.7113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

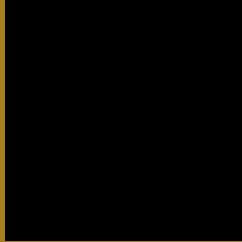
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5898, 23.3955, 4.7113

Background



This preview shows how black text looks on a background with the XYZ color 23.5898, 23.3955, 4.7113.



This preview shows how white text looks on a background with the XYZ color 23.5898, 23.3955,

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

23.5898, 23.3955, 4.7113

Protanopia

21.2686, 23.3804, 4.9820

Deuteranopia

23.6717, 23.2470, 4.6783



Tritanopia

27.3225, 23.2598, 23.1282

Trichromacy



Original Color

23.5898, 23.3955, 4.7113

Protanomaly

22.1153, 23.4160, 4.8675

Deuteranomaly

23.6717, 23.2470, 4.6783

Tritanomaly

25.3907, 23.0111, 13.4593

Monochromacy



Original Color

23.5898, 23.3955, 4.7113

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8503, 21.9794, 13.4995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5898, 23.3955, 4.7113 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, 127, 33)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 33)  
}
```

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, 127, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 33) }
```

Border

The CSS property to change the border of an element to XYZ 23.5898, 23.3955, 4.7113 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, 127, 33) }
```


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

```
.border{ border-color:rgb(166, 127, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 127, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 33);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5898, 23.3955, 4.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 33) }
```

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

```
.background{ background-color: rgb(166,  
127, 33) }
```

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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